



STATE OF THE STATES: ADHERENCE REPORT

CVS
CAREMARK

TABLE OF CONTENTS

EXECUTIVE SUMMARY

STATES

ALASKA	6
ALABAMA	6
ARIZONA	7
ARKANSAS	8
CALIFORNIA	9
COLORADO	10
CONNECTICUT	11
DELAWARE	12
FLORIDA	13
GEORGIA	14
HAWAII	15
IDAHO	16
ILLINOIS	17
INDIANA	18
IOWA	19
KANSAS	20
KENTUCKY	21
LOUISIANA	22
MAINE	23
MARYLAND	24
MASSACHUSETTS	25
MICHIGAN	26
MINNESOTA	27
MISSISSIPPI	28
MISSOURI	29
MontANA	30
NEBRASKA	31
NEVADA	32
NEW HAMPSHIRE	33
NEW JERSEY	34
NEW MEXICO	35
NEW YORK	36
NORTH CAROLINA	37
North DAKOTA	38
OHIO	39
OKLAHOMA	40
OREGON	41
PENNSYLVANIA	42
RHODE ISLAND	43
SOUTH CAROLINA	45
TENNESSEE	46
TEXAS	47
UTAH	48
VERMONT	49
VIRGINIA	50
WASHINGTON	51
WEST VIRGINIA	52
WISCONSIN	53
WYOMING	54
	55
	66

GLOSSARY OF TERMS

METHODOLOGY OVERVIEW

EXECUTIVE SUMMARY

For several years, CVS Caremark has been researching why a significant portion of people do not take their medicines as prescribed. The goal of the research is to expand the body of knowledge available about this complex patient behavior, commonly known as medication nonadherence, so we can develop innovative solutions to help people on their path to better health. As part of this effort, we have teamed with Harvard University and Brigham and Women's Hospital's Division of Pharmacoepidemiology and Pharmacoeconomics to extract information from our extensive pharmacy claims data and provide new insights on this topic. In addition, we are testing consumer communication preferences as part of our Behavior Change Research Partnership, which is made up of leading behavioral economists from academia. That partnership is testing how different messages impact patient decisions related to their medications. As always, we continue to review the role of pharmacists and physicians as they interact with patients in the health care system.

Medication nonadherence is a significant health care issue because studies show the annual cost for medical treatment that could be avoided if people take their medications as directed is \$290 billion a year. The fact that CVS Caremark sponsored research has been published in 20 peer-reviewed articles in medical and economic journals over the past two years – with more on the way – is testimony to the rigor and discipline we bring to this effort. This research is important to our goal of expanding the understanding and choice from every angle and will ultimately shape the development of products and services we use to improve patient behavior. The research was essential to the development of our Pharmacy Care Economic Model (PCEM) that pinpoints the potential cost savings health plans can achieve by adopting programs that improve medication adherence. The CVS Caremark PCEM outlines savings in excess of \$60 million in medical care cost avoidance and increased productivity for businesses with 100,000 health plan members. In addition to improving the science around adherence research, we have been sharing what we have learned with health care professionals throughout the industry because medication adherence is not just about individual behavior; it is about care coordination and improved communication among all constituents that make up the health care continuum – patients, health care professionals and the health care system.

Findings from our research have shown that improving patient adherence can save the health care system significant dollars. But the research has also found that patient behavior is complex and not easily changed and there is no single solution to ensuring patients take their medications as directed. As a result, we continue our campaign to communicate about the importance of adherence to both patients and physicians, so they treat it as a priority. We are quantifying and communicating the positive benefits of medication adherence to policymakers, so as they look for ways to reduce medical costs, they understand that increasing adherence can help patients avoid unnecessary medical treatments and hospitalizations.

Last May we sponsored a forum at the National Press Club to amplify our research findings to health care leaders. We shared our research and offered solutions to increase the focus on adherence. This document, *State of the States: Adherence Report*, is yet another way to focus on the topic. This report looks at how patients in the 50 states are complying with their doctors' directions about taking medications. While interesting and eye-opening, this review should not be considered the definitive look at state adherence rates. Rather, it is a focused look at how patients served by CVS Caremark are behaving based on a review of our PBM claims data. The study shows how different patients in different geographies are taking – or not taking –

medications under relatively similar circumstances (although plan designs may differ). To reach these findings we reviewed our data for four common chronic disease states — hypertension, dyslipidemia (high cholesterol), diabetes and depression — diseases which make up a large portion of pharmacy care spend by our clients. Managing chronic disease is vital because more than half of U.S. citizens suffer from some form of chronic disease and the treatment for chronic diseases represents more than 75 percent of our nation's health care costs.



In this analysis, we apply a definition of adherence that represents effective care in a well managed pharmacy benefit program. Our broad definition includes medication possession ratio (MPR), an industry standard measure of how well patients are taking their medications as prescribed. In addition to MPR, we consider first fill persistence

rates (FFPR), which quantify how many patients who are new to a medication continue to take it after the first time they fill their prescription. Two other measures we considered when evaluating a state's performance on adherence include the percent of prescriptions that are dispensed with the generic version of the medication and the percent of prescriptions that are dispensed through mail order pharmacists. We give weight to generic dispensing rates because several of our previously published studies found that the cost of medications are a consistent barrier to medication adherence.

This report adds another piece of information to the growing body of knowledge that CVS Caremark is developing around why people either never start, or stop taking their chronic medications. While it is clear that there is no single answer to solving the riddle of patient behavior around medication use, this work strengthens the tool kit that health care professionals have at their disposal to tackle this problem.

The *State of the States: Adherence Report* is another step in our campaign to bring the issue of adherence to the public, policy leaders and health care professionals. We hope that by providing new views of this vexing health care issue, we will continue to spark a dialogue around how we can develop a better, more affordable and accessible health care system.

Heather B. Fougeas
EVIP Chief Health Care Strategy and Marketing Officer
CVS Caremark

Value this report
contributes to:
• Financial Performance
• Strategic Business
• Operational Efficiency

ALABAMA

Adherence		Diabetes		Obesity		Depression		Overweight		
		Value	Rank	Value	Rank	Value	Rank	Value	Rank	
MEDICATION ADHERENCE RATE INDEX*	25	78.8%	29	81.0%	23	80.6%	16	74.1%	50	76.0%
MEDICATION ADHERENCE RATE INDEX**	43	63.6%	43	63.6%	42	63.0%	35	54.8%	39	60.3%
ADULT OVERWEIGHT RATE INDEX	41	37.6%	41	37.6%	41	37.6%	41	37.6%	36	36.9%
ADULT OBESITY RATE INDEX	40	63.7%	39	62.2%	38	61.9%	34	63.7%	50	60.9%
GENDER DIFFERENCES IN OBESITY	26	57.0%	30	54.1%	25	56.9%	41	52.5%	28	56.4%
MAX. DIAPHRAGM RATE INDEX	30	14.5%	35	14.1%	32	19.4%	24	12.5%	34	15.4%

Key Facts

- AL shows average adherence rankings across all conditions
- AL has among the highest overweight/obesity rates and the lowest rates for physical activity
- AL is in the top third of states for immunization rates and physicians per capita

Adherence		Diabetes		Obesity		Depression		Overweight		
		Value	Rank	Value	Rank	Value	Rank	Value	Rank	
MEAN DOCTOR VISIT RATE INDEX*	25	81.0%	29	81.0%	23	80.6%	16	74.1%	50	76.0%
MEAN DOCTOR VISIT RATE INDEX**	43	63.6%	43	63.6%	42	63.0%	35	54.8%	39	60.3%
ADULT OBESITY RATE INDEX	41	37.6%	41	37.6%	41	37.6%	41	37.6%	36	36.9%
ADULT OBESITY RATE INDEX	40	63.7%	39	62.2%	38	61.9%	34	63.7%	50	60.9%
GENDER DIFFERENCES IN OBESITY	26	57.0%	30	54.1%	25	56.9%	41	52.5%	28	56.4%
MAX. DIAPHRAGM RATE INDEX	30	14.5%	35	14.1%	32	19.4%	24	12.5%	34	15.4%

Demographics

	Value	Rank
MALE	N/A	42.8%
ACTIVE DEDUCED	N/A	14.8%
ACTIVE PHYSICAL ACTIVITIES	47	41.0%
MEDIAN HOUSEHOLD INCOME	\$42,652	50.0%

Demographics

	Value	Rank
MALE	N/A	50.3%
ACTIVE PHYSICAL ACTIVITIES	47	59.3%
ACTIVE PHYSICAL ACTIVITIES	46	52.0%
MEDIAN HOUSEHOLD INCOME	\$63,505	50.0%

Demographics

	Value	Rank
MALE	N/A	50.3%
ACTIVE PHYSICAL ACTIVITIES	47	60.6%
ACTIVE PHYSICAL ACTIVITIES	46	55.9%
MEDIAN HOUSEHOLD INCOME	\$63,505	50.0%

Access to Health Care

	Value	Rank
MANAGED	29	68.7%
HIGH-COST CAREERSHEALTH INSURANCE	13	74.4%
HEALTH CARE COVERAGE, MEDICARE	35	53.3%
HEALTH CARE COVERAGE, MEDICARE	7	14.8%
PER-PERSON PER 1,000 RESIDENTS	12	16.3%
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	N/A	4.83%

Access to Health Care

	Value	Rank
MANAGED	29	68.7%
HIGH-COST CAREERSHEALTH INSURANCE	13	74.4%
HEALTH CARE COVERAGE, MEDICARE	35	53.3%
HEALTH CARE COVERAGE, MEDICARE	7	14.8%
PER-PERSON PER 1,000 RESIDENTS	12	16.3%
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	N/A	4.83%

Access to Health Care

	Value	Rank
MANAGED	29	68.7%
HIGH-COST CAREERSHEALTH INSURANCE	13	74.4%
HEALTH CARE COVERAGE, MEDICARE	35	53.3%
HEALTH CARE COVERAGE, MEDICARE	7	14.8%
PER-PERSON PER 1,000 RESIDENTS	12	16.3%
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	N/A	4.83%

Access to Health Care

	Value	Rank
MANAGED	29	68.7%
HIGH-COST CAREERSHEALTH INSURANCE	13	74.4%
HEALTH CARE COVERAGE, MEDICARE	35	53.3%
HEALTH CARE COVERAGE, MEDICARE	7	14.8%
PER-PERSON PER 1,000 RESIDENTS	12	16.3%
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	14	3.25
PER-PERSON PER 1,000 RESIDENTS	N/A	4.83%



ARIZONA

Adherence	Diabetes		Hypertension		Depression	
	NAME	VALUE	NAME	VALUE	NAME	VALUE
ARIZONA PERSISTENCE RATE (MPR)	7	80.1%	5	82.1%	3	82.6%
ARIZONA ADHERENCE RATE (MPR)	62	77.5%	31	69.0%	20	74.0%
PERSISTENCE RATE (MPR)	30	64.8%	34	63.4%	22	64.3%
ADHERENCE RATE (MPR)	5	53.2%	16	57.3%	20	58.5%
MAX. DISPENSING RATE (MPR)	10	23.7%	4	27.4%	6	32.7%

Key Facts

- AZ has generally high MPR
- AZ's low rates in first 18 persistence impacts optimal MPR
- Has strong max and good generic dispensing rates

Demographics

NAME	VALUE
NAIA	49.7%
ACTIVE HOUSEHOLD MEMBERS	27
CHRONIC CONDITIONS	35
MEDIAN HOUSEHOLD INCOME	\$47,106

Demographics

NAME	VALUE
EDUCATION PERSISTENCE RATE (MPR)	30
PERCENT OF ADHERENTS (MPR)	37
PERSISTENCE RATE (MPR)	13
ADHERENCE RATE (MPR)	4
MAX. DISPENSING RATE (MPR)	47

Arizona

STATE RATING GOLD

NAME	VALUE
MAXIMUM	20
MINIMUM	10
HEALTH CARE CONSUMERS, MEDICARE	42
EFFICIENCY OF PHARMACY, MEDICARE	5
PHARMACISTS PER 10,000 RESIDENTS	43
PHARMACEUTICAL PRICING INDEX (PPI)	104

Access to Health Care

NAME	VALUE
STATE RATING	SILVER
STATE RATING	SILVER
PHYSICIANS PER 10,000 RESIDENTS	12
PHYSICIANS PER 10,000 RESIDENTS	12

Access to Health Care

NAME	VALUE
STATE RATING	SILVER
STATE RATING	SILVER
PHYSICIANS PER 10,000 RESIDENTS	12
PHYSICIANS PER 10,000 RESIDENTS	12

ARKANSAS

Adherence	Diabetes		Hypertension		Depression	
	NAME	VALUE	NAME	VALUE	NAME	VALUE
ARIZONA PERSISTENCE RATE (MPR)	7	80.1%	5	82.1%	3	82.6%
ARIZONA ADHERENCE RATE (MPR)	62	77.5%	31	69.0%	20	74.0%
PERSISTENCE RATE (MPR)	30	64.8%	34	63.4%	22	64.3%
ADHERENCE RATE (MPR)	5	53.2%	16	57.3%	20	58.5%
MAX. DISPENSING RATE (MPR)	10	23.7%	4	27.4%	6	32.7%

Demographics

NAME	VALUE
EDUCATION PERSISTENCE RATE (MPR)	30
PERCENT OF ADHERENTS (MPR)	37
PERSISTENCE RATE (MPR)	13
ADHERENCE RATE (MPR)	4
MAX. DISPENSING RATE (MPR)	47

NAME	VALUE
STATE RATING	SILVER
STATE RATING	SILVER
PHYSICIANS PER 10,000 RESIDENTS	12
PHYSICIANS PER 10,000 RESIDENTS	12

NAME	VALUE
STATE RATING	SILVER
STATE RATING	SILVER
PHYSICIANS PER 10,000 RESIDENTS	12
PHYSICIANS PER 10,000 RESIDENTS	12

CALIFORNIA

Adherence	Diabetes	Hypertension	Dyslipidemia	Depression	Overall
	Value	Value	Value	Value	Value
MEDICATION ADHERENCE AND ADHERENCE	77.9%	80.9%	71.0%	79.2%	79.2%
PHARMACY DISPENSES PER 1000 POPULATION	45	58.6%	42	53.0%	43
PHYS. ACT. PERCENTAGE OVER 150 MPH	33	64.4%	37	62.6%	39
PHYSICIAN VISITS PER 1000 POPULATION	3	60.6%	35	64.5%	29
MEDICATIONS PER HOUSEHOLD	43	10.2%	39	13.4%	41

Key Facts

- CA has a lower ranking for percent optimal MPR than for MPH, indicating a possible mix of highly and poorly adherent patients
- Improved generic dispensing present opportunities for improved adherence and first fill persistency

Demographics

	Value	Value	Value	Value
NAME	N/A	49.8%	N/A	11.1%
OVERWEIGHT	4.8	4.8	4.8	4.8
ACTIVE DISEASES	22	51.3%	13	61.6%
MEAN HOUSEHOLD INCOME	13	\$56,862	13	\$59,964

Access to Health Care

	Value	Value	Value	Value
MANAGED	10	75.8%	38	52.5%
WORKERS COMPENSATION, DISABILITY	47	9.5%	3	17.9%
HEALTH CARE COVERAGE, MEDICAID	47	1.86	47	1.86
PHYSICIANS PER 1000 RESIDENTS	43	2.06	43	2.06
PHYSICIANS PER 1000000 PEOPLE	N/A	N/A	N/A	N/A

Key Facts

- CO shows above average adherence rankings and strong performance with high cholesterol medication rates
- CO is a top performer in the area of mail dispensing
- The state leads in the areas of physical activity and low percentage of overweight and obese residents

Demographics

	Value	Value	Value	Value
NAME	N/A	49.6%	N/A	49.6%
OVERWEIGHT	4.8	4.8	4.8	4.8
ACTIVE DISEASES	7	57.0%	2	51.6%
PHYSICIANS PER 1000000 PEOPLE	9	\$59,964	9	\$59,964

Access to Health Care

	Value	Value	Value	Value
MANAGED	33	67.1%	13	61.3%
WORKERS COMPENSATION, DISABILITY	45	9.9%	45	10.5%
HEALTH CARE COVERAGE, MEDICAID	43	2.06	43	2.06
PHYSICIANS PER 1000000 PEOPLE	N/A	N/A	N/A	N/A



California
STATE RATING
BRONZE



CONNECTICUT

Adherence

	Diabetes	Hypertension	Hyperlipidemia	Depression	Oversize	
	NAME	VALUE	NAME	VALUE	NAME	
MEDICATION POSSESSION RATIO (MPR)*	9	79.7%	13	82.3%	11	81.8%
REFILLS PER MEDICATION (AVERAGE)	12	65.2%	10	74.1%	10	75.0%
FIRST-FILL PERSISTENCY RATE (%)**	16	67.1%	2	70.9%	3	68.8%
SECOND-FILL PERSISTENCY RATE (%)**	43	52.7%	37	62.3%	45	65.3%
MEAN REFILLMEDICINE DAYS (AVG.)	20	18.3%	20	19.8%	25	23.0%

Key Facts

- CT ranks well on all adherence related metrics
- CT ranks low on generic dispensing with opportunity to improve
- CT ranks high in median income, percent active population and health coverage

Demographics

	NAME	VALUE
MALE	NAME	40.5%
ACTIVE HOUSEHOLD	NAME	51.7%
ACTIVE HOUSEHOLD (AVERAGE)	NAME	10
MEAN HOUSEHOLD INCOME	NAME	2
	NAME	\$65,213

Access to Health Care

	NAME	VALUE
STATE RATING	NAME	48.4%
HEALTH CARE COVERAGE, MEDICARE	NAME	18
HEALTH CARE COVERAGE, PRIVATE INSURANCE	NAME	42
PHYSICIANS PER 1000 RESIDENTS	NAME	36
PHYSICIANS PER 10000 RESIDENTS	NAME	2.26

Connecticut

	NAME	VALUE
STATE RATING	NAME	48.4%
HEALTH CARE COVERAGE, MEDICARE	NAME	18
HEALTH CARE COVERAGE, PRIVATE INSURANCE	NAME	42
PHYSICIANS PER 1000 RESIDENTS	NAME	36
PHYSICIANS PER 10000 RESIDENTS	NAME	2.26

DELAWARE

Adherence

	Diabetes	Hypertension	Hyperlipidemia	Depression	Oversize	
	NAME	VALUE	NAME	VALUE	NAME	
MEDICATION POSSESSION RATIO (MPR)*	9	79.7%	13	82.3%	11	81.8%
REFILLS PER MEDICATION (AVERAGE)	12	65.2%	10	74.1%	10	75.0%
FIRST-FILL PERSISTENCY RATE (%)**	16	67.1%	2	70.9%	3	68.8%
SECOND-FILL PERSISTENCY RATE (%)**	43	52.7%	37	62.3%	45	65.3%
MEAN REFILLMEDICINE DAYS (AVG.)	20	18.3%	20	19.8%	25	23.0%

Key Facts

- DE has excellent refill dispensing rates but low generic dispensing rates, providing a mixed environment for adherence.
- This impacts adherence and first fill persistence

Demographics

	NAME	VALUE
MALE	NAME	40.5%
ACTIVE HOUSEHOLD	NAME	51.7%
ACTIVE HOUSEHOLD (AVERAGE)	NAME	10
MEAN HOUSEHOLD INCOME	NAME	2
	NAME	\$53,032

Access to Health Care

	NAME	VALUE
STATE RATING	NAME	79.7%
HEALTH CARE COVERAGE, MEDICARE	NAME	16
HEALTH CARE COVERAGE, PRIVATE INSURANCE	NAME	48
PHYSICIANS PER 1000 RESIDENTS	NAME	36
PHYSICIANS PER 10000 RESIDENTS	NAME	2.26

Delaware

	NAME	VALUE
STATE RATING	NAME	79.7%
HEALTH CARE COVERAGE, MEDICARE	NAME	16
HEALTH CARE COVERAGE, PRIVATE INSURANCE	NAME	48
PHYSICIANS PER 1000 RESIDENTS	NAME	36
PHYSICIANS PER 10000 RESIDENTS	NAME	2.26

FLORIDA

Adherence	Diabetes	Hypertension		Depression		Hypertension		Diabetes		Hypertension		
		Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	
<small>* Data as of June 2013, based on latest available data.</small>												
ADHERENCE: PRESCRIPTION RATE AVERAGE*	26	75.8%	23	81.6%	18	81.2%	9	74.7%	17	80.5%	45	78.6%
ADHERENCE: PRESCRIPTION RATE MEDICARE*	38	55.4%	36	63.0%	38	63.1%	31	56.6%	33	62.2%	45	59.6%
FIRST FAIR PERSISTENCY RATE: PRESCRIPTION	10	68.3%	17	68.0%	18	65.8%	21	65.8%	18	66.0%	45	61.0%
MEDICATION COMPLIANCE RATE: PRESCRIPTION	34	36.0%	41	35.0%	37	44.8%	38	40.3%	32	54.1%	36	55.1%
MEAN ADHERENCE RATE: NON-PRES.	26	16.8%	26	18.6%	23	23.9%	25	12.5%	25	19.0%	38	14.4%

Demographics

Demographic	Value	Value	Value	Value
MALES	N/A	48.8%	12.1%	N/A
OVER 65 YEARS OLD	37	47.8%	46.3%	38
ACTIVE BUSINESS	24	65.8%	66.3%	N/A
OVERWEIGHT AND OBESE	24	65.8%	66.3%	N/A
MEDIAN HOUSEHOLD INCOME	\$45,897			

Key Facts

- While in the middle tier of adherence, patients on depression therapies achieved better than average adherence rates.
- There is an opportunity to improve generic dispensing rates, which would impact adherence rates.

Access to Health Care	Value	Value	Value	Value
HOSPITALIZED	5	77.9%	45	75.5%
PREVENTIVE CARE: CHRONIC DISEASES	2	16.4%	35	13.6%
HEALTH CARE: GENERAL MEDICAL	21	2.87	25	2.59
HEALTH CARE: GENERAL MEDICAL PRESCRIPTIONS PER 100 PATIENTS	69	1.16%	68	1.18%
PHARMACY: PRESCRIPTIONS PER 100 PATIENTS	21	2.87	25	2.59

Key Facts

- While in the middle tier of adherence, patients on depression therapies achieved better than average adherence rates.
- There is an opportunity to improve generic dispensing rates, which would impact adherence rates.

Demographics

Demographic	Value	Value	Value	Value	Value
CHEMISTRIES	38	78.6%	45	73.2%	38
DEPRESSION	45	51.9%	44	51.9%	45
DYALYSIS	151	1.8%	46	1.1%	151
DIABETES	24	80.6%	24	75.7%	24
HYPERTENSION	39	77.8%	45	71.3%	39
MEDICATION: PRESERVATION RATE: AVERAGE*	48	55.2%	67	61.3%	45
PATIENT: CHRONIC CARE: AVERAGE	45	61.6%	44	61.3%	47
PATENT: PHARMACEUTICAL PRICE INDEX*	26	55.6%	38	45.2%	36
STORY: EXPENDITURE PER PERSON	18	19.2%	19	25.4%	18
STATE: DEMOGRAPHIC RATE: AVG. POP.					

Access to Health Care

Access to Health Care	Value	Value	Value	Value	Value
HOSPITALIZED	23	71.0%	30	56.1%	30
PREVENTIVE CARE: CHRONIC DISEASES	49	9.4%	31	13.0%	49
HEALTH CARE: GENERAL MEDICAL	28	2.59	31	1.18%	28
HEALTH CARE: CHRONIC DISEASES	N/A		N/A		N/A
PRESCRIPTIONS PER 1000 RESIDENTS	N/A		N/A		N/A
PHARMACY: PRESCRIPTIONS PER 100 PATIENTS	N/A		N/A		N/A

Key Facts

• Overall adherence for chronic conditions was lower than the national average.

Access to Health Care

Access to Health Care	Value	Value	Value
ADMITTED	23	71.0%	30
PREVENTIVE CARE: CHRONIC DISEASES	49	9.4%	31
HEALTH CARE: GENERAL MEDICAL	28	2.59	31
HEALTH CARE: CHRONIC DISEASES	N/A		N/A
PRESCRIPTIONS PER 1000 RESIDENTS	N/A		N/A
PHARMACY: PRESCRIPTIONS PER 100 PATIENTS	N/A		N/A

Georgia



State Rating

BRONZE

Florida

SILVER

HAWAII

Adherence		Diabetes		Hypertension		Depression		Overweight	
Rank	Value	Rank	Value	Rank	Value	Rank	Value	Rank	Value
MEDICATION POSSESSION RATE (MPR)*	1 85.0%	1 83.5%	1 86.6%	1 91.2%	1 86.8%	1 81.0%	30 77.2%	35 78.9%	35 78.6%
PATIENT OBTINENCY RATE (PERCENT)	15 66.7%	13 70.8%	9 70.8%	12 59.0%	9 69.8%	32 60.2%	20 67.7%	27 65.5%	27 64.5%
FIRST FIL PERSISTENCY RATE (PERCENT)	18 66.7%	19 64.7%	47 60.6%	44 61.6%	21 66.1%	21 65.2%	30 63.0%	23 65.1%	23 64.9%
DISPENSING RATES (PERCENT)	18 57.6%	48 73.3%	42 57.7%	35 65.2%	28 56.3%	20 65.1%	8 65.2%	18 65.3%	18 65.3%
MAX. DISPENSING RATE (PERCENT)	6 25.6%	11 24.7%	12 29.2%	10 17.1%	10 25.8%	19 18.7%	18 25.6%	27 12.1%	22 19.4%

Key Facts

- HI ranks at the top of the states for MPR, but median to poor for first fill persistence rates.
- HI's low generic dispensing for hypertension and depression medications corresponds with the low first fill persistence rates for those therapies.

Demographics

Rank	Value	Rank	Value	Rank	Value
STATE RATING	N/A 48.2%	STATE RATING	N/A 18.4%	STATE RATING	N/A 13.2%
ACTIVE SERVICES	13 53.2%	ACTIVE SERVICES	1 57.2%	ACTIVE SERVICES	16 62.3%
HOUSEHOLD INCOME	7 \$61,055	HOUSEHOLD INCOME	7 \$61,055	HOUSEHOLD INCOME	29 \$48,299

Access to Health Care

Rank	Value	Rank	Value	Rank	Value
UNINSURED	34 66.9%	UNINSURED	15 59.0%	UNINSURED	9 14.7%
HEALTH CARE COSTS/ADULT MEDICAL	24 14.4%	HEALTH CARE COSTS/ADULT MEDICAL	35 2.2%	HEALTH CARE COSTS/ADULT MEDICAL	35 2.1%
PRESCRIPTIONS PER 10,000 RESIDENTS	35 67.6%	PRESCRIPTIONS PER 10,000 RESIDENTS	35 67.6%	PRESCRIPTIONS PER 10,000 RESIDENTS	39 68.8%

Hawaii
STATE RATING
© GOLD



IDAHO

Adherence		Diabetes		Hypertension		Depression		Obesity	
Rank	Value	Rank	Value	Rank	Value	Rank	Value	Rank	Value
MEDICATION POSSESSION RATE (MPR)*	1 85.0%	1 83.5%	1 86.6%	1 91.2%	1 86.8%	1 81.0%	30 77.2%	35 78.9%	35 78.6%
PATIENT OBTINENCY RATE (PERCENT)	15 66.7%	13 70.8%	9 70.8%	12 59.0%	9 69.8%	32 60.2%	20 67.7%	27 65.5%	27 64.5%
FIRST FIL PERSISTENCY RATE (PERCENT)	18 66.7%	19 64.7%	47 60.6%	44 61.6%	21 66.1%	21 65.2%	30 63.0%	23 65.1%	23 64.9%
DISPENSING RATES (PERCENT)	18 57.6%	48 73.3%	42 57.7%	35 65.2%	28 56.3%	20 65.1%	8 65.2%	18 65.3%	18 65.3%
MAX. DISPENSING RATE (PERCENT)	6 25.6%	11 24.7%	12 29.2%	10 17.1%	10 25.8%	19 18.7%	18 25.6%	27 12.1%	22 19.4%

Demographics

Rank	Value	Rank	Value	Rank	Value
STATE RATING	N/A 49.7%	STATE RATING	N/A 12.3%	STATE RATING	N/A 5.7%
ACTIVE SERVICES	5 57.5%	ACTIVE SERVICES	16 62.3%	ACTIVE SERVICES	16 62.3%
HOUSEHOLD INCOME	29 \$48,299	HOUSEHOLD INCOME	29 \$48,299	HOUSEHOLD INCOME	29 \$48,299

Access to Health Care

Rank	Value	Rank	Value	Rank	Value
UNINSURED	48 56.6%	UNINSURED	20 53.0%	UNINSURED	35 12.2%
HEALTH CARE COSTS/ADULT MEDICAL	35 12.5%	HEALTH CARE COSTS/ADULT MEDICAL	35 12.5%	HEALTH CARE COSTS/ADULT MEDICAL	35 12.5%
PRESCRIPTIONS PER 10,000 RESIDENTS	39 2.1%	PRESCRIPTIONS PER 10,000 RESIDENTS	39 2.1%	PRESCRIPTIONS PER 10,000 RESIDENTS	39 2.1%

Idaho
STATE RATING
© * * * *



ILLINOIS

Adherence	Disparities	Dispensation	Depression	Overall
	Value	Value	Value	Value
MEDICATION POSSESSION RATIO (MPR) VALUE	15	81.7%	16	80.3%
MEDICATION POSSESSION RATIO (MPR) NUMBER	20	62.1%	22	67.2%
PATIENT PERSISTENCY RATE (MSPR)	39	63.8%	31	64.0%
DISPENSING DISPARITIES INDEX (DDI)	5	52.0%	27	64.7%
MAIL DISPENSING RATE (MDR)	3	31.7%	3	31.4%

Key Facts

- IL achieves good rankings on MPR but does not have corresponding first fill persistency rates.
- Mail dispensing rates are very good, as is generic dispensing for diabetes medications.
- Improvements could be made to bring generic dispensing rates up for the other therapies.

Access to Health Care	STATE RATING
SILVER	SILVER

Demographics

Demographics	Value
MALE	48.9%
ADULTS WITH INCOME BELOW 100% OF FEDERAL POVERTY LEVEL	20
SENIORS (65 AND OLDER)	13
MEDIAN HOUSEHOLD INCOME	\$53,413

Key Facts

- IL has average rankings for all adherence metrics.
- Above average mail dispensing rates are not translating into better adherence for the state.

Access to Health Care	STATE RATING
SILVER	SILVER

Demographics

Demographics	Value
MALE	50.1%
ADULTS WITH INCOME BELOW 100% OF FEDERAL POVERTY LEVEL	26
SENIORS (65 AND OLDER)	14
MEDIAN HOUSEHOLD INCOME	\$46,579

INDIANA

Adherence	Disparities	Dispensation	Depression	Overall
	Value	Value	Value	Value
MEDICATION POSSESSION RATIO (MPR) VALUE	15	81.7%	16	80.3%
MEDICATION POSSESSION RATIO (MPR) NUMBER	20	62.1%	22	67.2%
PATIENT PERSISTENCY RATE (MSPR)	39	63.8%	31	64.0%
DISPENSING DISPARITIES INDEX (DDI)	5	52.0%	27	64.7%
MAIL DISPENSING RATE (MDR)	3	31.7%	3	31.4%

Demographics

Demographics	Value
MALE	50.1%
ADULTS WITH INCOME BELOW 100% OF FEDERAL POVERTY LEVEL	26
SENIORS (65 AND OLDER)	14
MEDIAN HOUSEHOLD INCOME	\$46,579

IOWA

Adherence	Diabetes		Depression		Overall	
	Nonadherence	Value	Nonadherence	Value	Nonadherence	Value
ADHERENCE: MEDICATION PERSISTENCE RATE: DIABETES*	39	80.2%	43	79.1%	42	78.1%
HIGH-DOSE ADHERENCE: DIABETES	19	70.0%	13	68.8%	13	67.0%
PERSISTENCE RATE: DIABETES	6	69.7%	21	64.5%	8	67.5%
NONADHERENCE: MEDICATIONS	33	85.5%	9	66.1%	18	70.4%
M.A.R. PERSISTENCE RATE: DIABETES	24	18.1%	22	19.5%	26	18.4%

Key Facts

- Iowa ranks mid-to-low on MPR rates, but exhibits good patient optimal MPR and first fill persistence rates.
- The generic dispensing rate for diabetes is notably lower than for the other conditions.

Demographics

KEY	VALUE
STATE RATING	N/A
ACTIVE RESIDENTS	30,121,253
AGE 65 AND OLDER	13%
MEDIAN HOUSEHOLD INCOME	\$30,422

Demographics

KEY	VALUE
STATE RATING	N/A
ACTIVE RESIDENTS	30,121,253
AGE 65 AND OLDER	13%
MEDIAN HOUSEHOLD INCOME	\$30,422

KANSAS

Adherence	Diabetes		Depression		Overall	
	Nonadherence	Value	Nonadherence	Value	Nonadherence	Value
ADHERENCE: MEDICATION PERSISTENCE RATE: DIABETES*	43	80.2%	41	79.1%	42	77.4%
HIGH-DOSE ADHERENCE: DIABETES	13	68.8%	14	68.7%	13	67.0%
PERSISTENCE RATE: DIABETES	21	64.5%	8	67.5%	14	66.3%
NONADHERENCE: MEDICATIONS	9	66.1%	18	64.6%	18	64.3%
M.A.R. PERSISTENCE RATE: DIABETES	24	18.1%	22	19.5%	26	18.4%

Demographics

KEY	VALUE
STATE RATING	N/A
ACTIVE RESIDENTS	30,121,253
AGE 65 AND OLDER	13%
MEDIAN HOUSEHOLD INCOME	\$30,422

Access to Health Care

KEY	VALUE
STATE RATING	SILVER
HIGH-DOSE ADHERENCE: MEDICARE	7
NONADHERENCE: MEDICARE	34
PHYSICIANS PER 10,000 RESIDENTS	10

Access to Health Care

KEY	VALUE
STATE RATING	BRONZE
HIGH-DOSE ADHERENCE: MEDICARE	7
NONADHERENCE: MEDICARE	34
PHYSICIANS PER 10,000 RESIDENTS	10

KENTUCKY

LOUISIANA

Adherence	Diabetes	Hypertension	Cholesterol	Dyslipidemia	Overall
MEDICATION POSSESSION RATE (MPPR) ADHERENCE (GENERAL, %)	28 78.9%	27 81.9%	30 80.3%	19 74.1%	28 79.3%
MPPR (GENERAL, %)	54 89.9%	53 89.3%	57 86.4%	53 52.0%	34 82.0%
PRE-PILL PERIODICITY RATE (PPPR) GENERAL (GENERAL, %)	39 63.5%	30 64.0%	32 82.8%	33 63.7%	32 63.7%
MAX. DYSLEXIA RATE (ADP)	22 57.3%	21 81.5%	21 81.5%	24 63.4%	20 85.8%
MAX. DYSLEXIA RATE (ADP)	22 18.2%	25 19.0%	24 23.3%	20 13.8%	24 19.2%

Key Facts

- KY ranks in the middle of the states on virtually all of the adherence metrics.
- KY has a relatively high availability of physicians per capita, but ranks lower in physical activity and has a more obese and overweight population than most other states.

Demographics

Male	Female	Total	Active Adults	Median Household Income
N/A	49.1%	50.5%	53.5%	\$41,489
43 52.0%	45 47.5%	43 45.8%	45 47.5%	\$41,489
40 50.0%	40 47.5%	40 45.8%	40 47.5%	\$41,489

Access to Health Care

INDICATED	Value
HEALTH CARE COVERAGE: MEDICAID	32 67.2%
HEALTH CARE COVERAGE: MEDICARE	37 82.3%
PHYSICIANS PER 1000 RESIDENTS	19 13.7%
PHYSICIANS PER 1000 RESIDENTS (GENERAL, %)	10 15.7%

Adherence

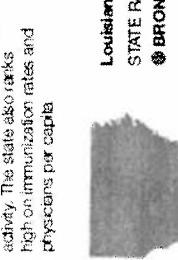
Overall	Diabetes	Hypertension	Dyslipidemia	Depression	Overshoot
Value	Value	Value	Value	Value	Value
41 77.8%	41 77.8%	43 78.9%	49 78.3%	43 74.4%	41 78.2%
45 56.2%	48 61.4%	48 51.7%	38 53.3%	45 59.4%	
23 65.8%	35 82.9%	34 62.7%	43 61.9%	36 65.1%	
20 57.6%	43 81.8%	36 45.1%	50 52.4%	41 63.5%	
44 9.9%	44 10.9%	43 15.3%	40 9.2%	43 11.7%	

Demographics

Male	Female	Total	Active Adults	Median Household Income
N/A	48.1%	51.8%	52.5%	\$42,528
46 51.5%	46 48.5%	46 47.5%	46 48.5%	
40 49.0%	40 47.5%	40 45.8%	40 47.5%	
45 50.0%	45 47.5%	45 45.8%	45 47.5%	

Access to Health Care

Value	Value
NAME/ZIP CODE: ZIPCODESTATE	7 77.2%
HEALTH CARE COVERAGE: MEDICARE	40 82.3%
HEALTH CARE COVERAGE: MEDICAID	27 12.9%



MAINE

MARYLAND

cvs.com/mney

cvs.com/maryland

- Key Facts**
- ME achieves good adherence across all conditions with correspondingly high generic dispensing rates
 - Increasing mail dispensing rates could provide opportunities for even better adherence

Adherence	Diabetes		Hypertension		Osteoporosis		Overall	
	new	value	new	value	new	value	new	value
MEDICATION POSSESSOR RATE INDEX*	8	80.5%	3	84.3%	2	82.8%	10	74.7%
ADHERENCE TO PRESCRIPTIONS	2	76.7%	3	74.7%	6	61.9%	3	61.7%
PERSISTENCE INDEX PER 100	5	70.2%	5	68.5%	27	63.5%	7	67.5%
DISPENSING ADHERENCE INDEX	6	59.5%	4	50.3%	17	52.4%	9	51.0%
MAIL DISPENSING RATE INDEX	29	15.0%	29	17.1%	31	19.6%	21	13.7%

Demographics	Male		Female		All	
	new	value	new	value	new	value
AGE GROUP	N/A	48.8%	N/A	45.1%	N/A	48.0%
ACTIVE LIFE CYCLE	9	56.2%	10	55.7%	22	55.7%
DISPENSING ADHERENCE INDEX	30	\$48.032				

Access to Health Care	Male		Female		All	
	new	value	new	value	new	value
EMPLOYED	48	55.4%	41	53.2%	41	53.2%
ADULTS WITH INSURANCE COVERAGE	15	13.9%	12	13.5%	12	13.5%
PRIVATE CARE COVERAGE, MEDICARE	23	2.72	23	2.72	23	2.72
PRIVATE CARE COVERAGE, MEDICAID						
PHYSICIANS PER 1000 RESIDENTS						
DISPENSING ADHERENCE INDEX						

Access to Health Care	Male		Female		All	
	new	value	new	value	new	value
EMPLOYED	48	55.4%	41	53.2%	41	53.2%
ADULTS WITH INSURANCE COVERAGE	15	13.9%	12	13.5%	12	13.5%
PRIVATE CARE COVERAGE, MEDICARE	23	2.72	23	2.72	23	2.72
PRIVATE CARE COVERAGE, MEDICAID						
PHYSICIANS PER 1000 RESIDENTS						
DISPENSING ADHERENCE INDEX						

- Maine**
- STATE RATING**
 **GOLD**
- ADULTS WITH INSURANCE COVERAGE, MEDICARE
 - PRIVATE CARE COVERAGE, MEDICARE
 - PRIVATE CARE COVERAGE, MEDICAID
 - PHYSICIANS PER 1000 RESIDENTS
 - DISPENSING ADHERENCE INDEX

Access to Health Care	Male		Female		All	
	new	value	new	value	new	value
EMPLOYED	48	55.4%	41	53.2%	41	53.2%
ADULTS WITH INSURANCE COVERAGE	15	13.9%	12	13.5%	12	13.5%
PRIVATE CARE COVERAGE, MEDICARE	23	2.72	23	2.72	23	2.72
PRIVATE CARE COVERAGE, MEDICAID						
PHYSICIANS PER 1000 RESIDENTS						
DISPENSING ADHERENCE INDEX						

- Maine**
- STATE RATING**
 **BRONZE**
- ADULTS WITH INSURANCE COVERAGE, MEDICARE
 - PRIVATE CARE COVERAGE, MEDICARE
 - PRIVATE CARE COVERAGE, MEDICAID
 - PHYSICIANS PER 1000 RESIDENTS
 - DISPENSING ADHERENCE INDEX

Demographics	Male		Female		All	
	new	value	new	value	new	value
AGE GROUP	N/A	48.9%	N/A	45.1%	N/A	48.0%
ACTIVE LIFE CYCLE	31	48.9%	31	48.9%	31	48.9%
DISPENSING ADHERENCE INDEX	37	\$65.1%	37	\$65.1%	37	\$65.1%
MAIL DISPENSING RATE INDEX	3	\$65.1%				

Demographics	Male		Female		All	
	new	value	new	value	new	value
AGE GROUP	N/A	48.9%	N/A	45.1%	N/A	48.0%
ACTIVE LIFE CYCLE	31	48.9%	31	48.9%	31	48.9%
DISPENSING ADHERENCE INDEX	37	\$65.1%	37	\$65.1%	37	\$65.1%
MAIL DISPENSING RATE INDEX	3	\$65.1%				



MASSACHUSETTS

Adherence	Diabetes			Hypertension			Depression			Overall		
	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPPR) ¹	3	81.0%	4	84.1%	5	82.5%	11	74.7%	4	61.7%		
REFILLS PER MONTH, AVERAGE	10	64.8%	6	73.6%	7	71.2%	9	55.5%	7	59.5%		
PERCENT PERSISTENCY (PER 12 MONTHS)	12	67.8%	9	67.7%	24	63.7%	15	88.4%	13	85.7%		
CONSULTATION DISPARING RATE (PER 12 MONTHS)	2	62.4%	2	92.4%	1	64.3%	1	31.3%	1	78.7%		
MASS. DISPENSING RATE (MPPR)	42	10.4%	43	11.5%	44	14.5%	45	7.0%	44	11.8%		

1. MPPR = Medication Possession Rate. Dispersing rate = % of prescriptions filled at least once.

Demographics	Male			Female			Overall				
	Value	Value	Value	Value	Value	Value	Value	Value	Value		
MALE	N/A	48.8%	N/A	N/A	13.6%	N/A	N/A	N/A	N/A		
ACTIVE HOUSEHOLD	15	52.9%	8	60.1%	8	59.9%	15	51.9%	13	51.9%	
ACTIVE HOUSEHOLD INCOME	\$59,991		\$59,991		\$59,991		\$59,991		\$59,991		

Key Facts	Male			Female			Overall				
	Value	Value	Value	Value	Value	Value	Value	Value	Value		
MEDICATION POSSESSION RATE (MPPR)	3	81.0%	4	84.1%	5	82.5%	11	74.7%	4	61.7%	
REFILLS PER MONTH, AVERAGE	10	64.8%	6	73.6%	7	71.2%	9	55.5%	7	59.5%	
PERCENT PERSISTENCY (PER 12 MONTHS)	12	67.8%	9	67.7%	24	63.7%	15	88.4%	13	85.7%	
CONSULTATION DISPARING RATE (PER 12 MONTHS)	2	62.4%	2	92.4%	1	64.3%	1	31.3%	1	78.7%	
MASS. DISPENSING RATE (MPPR)	42	10.4%	43	11.5%	44	14.5%	45	7.0%	44	11.8%	

1. MPPR = Medication Possession Rate. Dispersing rate = % of prescriptions filled at least once.



Massachusetts
STATE RATING
● GOLD

MICHIGAN

Adherence	Diabetes			Hypertension			Depression			Overall		
	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPPR) ¹	49	76.2%	49	79.1%	50	71.6%	50	77.0%	49	77.0%		
REFILLS PER MONTH, AVERAGE	35	50.7%	34	64.4%	34	41.6%	36	53.4%	42	53.4%		
PERCENT PERSISTENCY (PER 12 MONTHS)	48	61.8%	42	61.4%	36	62.2%	36	63.6%	41	61.9%		
CONSULTATION DISPARING RATE (PER 12 MONTHS)	21	57.5%	12	57.8%	12	54.0%	9	58.3%	10	52.6%		
MASS. DISPENSING RATE (MPPR)	28	15.0%	27	17.8%	27	22.3%	28	11.8%	27	17.8%		

1. MPPR = Medication Possession Rate. Dispersing rate = % of prescriptions filled at least once.



Michigan
STATE RATING

MINNESOTA

Adherence	Diabetes		Hypertension		Obesity	
	Value	Value	Value	Value	Value	Value
MEDICATION ADHERENCE RATE (Ages 18+)	13	79.4%	13	81.6%	14	80.1%
PHARMACY REFILL COMPLETION RATE (Ages 18+)	5	75.3%	6	74.5%	5	75.1%
PHARMACY REFILL COMPLETION RATE (All Ages)	9	68.6%	6	68.2%	7	67.1%
PHARMACY REFILL COMPLETION RATE (Medication Adherence Rate > 80%)	17	55.9%	15	52.6%	20	51.9%
MAIL ADHERENCE RATE (All Ages)	23	18.1%	15	21.8%	20	25.3%

For more information about adherence rates, visit www.adherencematters.org.

Demographics

Demographic	Male		Female	
	Value	Value	Value	Value
PERCENT WITH HIGH SCHOOL OR HIGHER	17	52.7%	17	51.1%
ACTIVE DISEASES	17	52.7%	17	51.1%
OVERWEIGHT AND OBESITY RATE	12	\$59,956	12	\$59,956
MEAN HOUSEHOLD INCOME				

Key Facts

- MN ranks above average on all adherence metrics except MPR for depression and first fill persistence rates for diabetes.
- MS ranks near the bottom for physical activity, has a high percentage of population overweight/obese and lower levels of commercial health coverage.
- MN has excellent generic dispensing rates with room for improvement in diabetes therapies.

Access to Health Care

Metric	Value	
	Value	Value
INSURANCE	43	61.2%
HOSPITAL CARE FOR STABLE CONDITIONS	1	63.3%
HEALTH CARE CONVERAGE NEEDS	32	12.7%
ESTIMATED CARE DEFICIENCIES NEEDS	27	10.8%
EMERGENCIES PER 1000 INMATES	19	2.9%
OVERWEIGHT AND OBESITY RATE		

Minnesota

STATE RATING
© GOLD

Demographics

Demographic	Male		Female	
	Value	Value	Value	Value
PERCENT WITH HIGH SCHOOL OR HIGHER	15	74.4%	15	74.4%
ACTIVE DISEASES	26	12.9%	26	12.9%
OVERWEIGHT AND OBESITY RATE	3	4.36	3	4.36
MEAN HOUSEHOLD INCOME				

Adherence

Metric	Value	
	Value	Value
DIABETES	44	77.2%
HYPERTENSION	48	76.9%
OBESITY	50	73.8%
DEPRESSION	48	73.8%
ADHERENCE TO MEDICATION (Ages 18+)	48	56.6%
ADHERENCE TO MEDICATION (All Ages)	31	59.6%
PERSISTENT PRESCRIPTION RATE (MPR)	32	61.2%
DEPRESSION AND OBESITY RATE	42	62.4%
ADHERENCE TO MEDICATION (All Ages)	38	13.5%

Health Care

Metric	Value	
	Value	Value
INSURANCE	48	48.0%
HEALTH CARE CONVERAGE NEEDS	1	2.2%
ESTIMATED CARE DEFICIENCIES NEEDS	3	0.8%
OVERWEIGHT AND OBESITY RATE		

Key Facts

- MS ranks low on all adherence metrics except MPR for depression and first fill persistence rates for diabetes.
- MS ranks near the bottom for physical activity, has a high percentage of population overweight/obese and lower levels of commercial health coverage.



MISSISSIPPI

Adherence	Diabetes		Hypertension		Obesity	
	Value	Value	Value	Value	Value	Value
MEDICATION ADHERENCE RATE (Ages 18+)	13	79.4%	13	81.6%	14	80.1%
PHARMACY REFILL COMPLETION RATE (Ages 18+)	5	75.3%	6	74.5%	5	75.1%
PHARMACY REFILL COMPLETION RATE (All Ages)	9	68.6%	6	68.2%	7	67.1%
PHARMACY REFILL COMPLETION RATE (Medication Adherence Rate > 80%)	17	55.9%	15	52.6%	20	51.9%
MAIL ADHERENCE RATE (All Ages)	23	18.1%	15	21.8%	20	25.3%

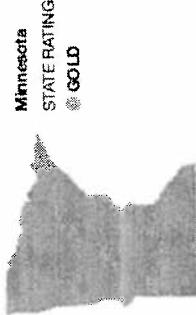
For more information about adherence rates, visit www.adherencematters.org.

Demographics

Demographic	Male		Female	
	Value	Value	Value	Value
PERCENT WITH HIGH SCHOOL OR HIGHER	17	52.7%	17	51.1%
ACTIVE DISEASES	17	52.7%	17	51.1%
OVERWEIGHT AND OBESITY RATE	12	\$59,956	12	\$59,956
MEAN HOUSEHOLD INCOME				

Key Facts

- MS ranks low on all adherence metrics except MPR for depression and first fill persistence rates for diabetes.
- MS ranks near the bottom for physical activity, has a high percentage of population overweight/obese and lower levels of commercial health coverage.



MISSOURI

Adherence

	Diabetes	Hypertension	Dyslipidemia	Overshoot
	min. value	max. value	min. value	max. value
MEDICATION POSSESSION RATE (MPR)	17	79.1%	19	81.8%
PERCENT OF MEDICINE TAKEN	28	61.6%	22	66.3%
PRES. FILL PERSISTENCY RATE (PFR)	34	64.4%	29	64.2%
CONCERNING ADHERENCE TO OTHER DRUGS	7	59.5%	17	67.1%
MAIL DISPENSING RATE (MDR)	14	21.6%	14	22.2%

Key Facts
 • MO has generally good adherence, with the largest opportunity for improvement in depression MPR and diabetes first fill persistency.
 • Generic and mail dispensing rates are generally good across these four therapies.

Demographics

	min. value	max. value
MALE	N/A	49.1%
AGE 65 AND OLDER	N/A	13.1%
ACTIVE HOUSEHOLD	29	49.9%
SOCIOECONOMIC INDEX	34	80.4%
MEDIAN HOUSEHOLD INCOME	33	\$47,408

Access to Health Care

	min. value	max. value
EMPOWERED	39	63.4%
STATEWIDE MEDICAL HOME COORDINATOR	22	57.0%
HEALTH CARE COVERAGE, MEDICARE	14	14.0%
REGULAR CHARTERED COORDINATOR, MEDICARE	28	13.5%
PHYSICIANS PER 10,000 RESIDENTS	15	3.19
PERCENT OF ACTIVE PHYSICIANS IN PRACTICE	N/A	N/A

Demographics

	min. value	max. value
CURRENT AGE	40	77.9%
RECENT PERSISTENCY RATE (PFR)	11	64.8%
REGULAR CHARTERED COORDINATOR, MEDICARE	16	65.8%
PERSISTENT PERSISTENCY RATE (PPR)	4	70.7%
DEMENTIA COGNITIVE SCREENING	27	55.6%
MAIL DISPENSING RATE (MDR)	39	12.1%

Access to Health Care

	min. value	max. value
STATE RATING	4.4	80.1%
STATEWIDE MEDICAL HOME COORDINATOR	23	64.3%
HEALTH CARE COVERAGE, MEDICARE	3	15.8%
REGULAR CHARTERED COORDINATOR, MEDICARE	37	11.6%
PHYSICIANS PER 10,000 RESIDENTS	6	3.92
PERCENT OF ACTIVE PHYSICIANS IN PRACTICE	N/A	N/A

NEBRASKA

Adherence	Diabetes		Hyperension		Depression		Hypertension		Hyperension		Depression	
	new	value	new	value	new	value	new	value	new	value	new	value
MEDICATION POSSESSION RATIO (MPR) [*]	45	77.0%	35	80.3%	41	73.7%	31	82.7%	9	80.8%	8	82.2%
ADULTS WITH CHRONIC CONDITIONS	24	65.7%	26	65.3%	23	67.1%	16	53.9%	37	64.7%	30	73.7%
ADULTS WITH CHRONIC CONDITIONS, % MPR	24	65.6%	14	66.5%	16	65.2%	19	65.9%	25	65.5%	30	53.1%
PATENTED PERIODICITY RATE (PPR)	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%
GENERAL ADHERENCE, % (2010-11)	32	55.7%	25	55.2%	36	45.7%	32	55.5%	34	55.9%	25	45.3%
MAX. DISPENSING RATE (MPR)	37	13.6%	34	15.3%	37	18.0%	35	9.9%	9	25.4%	10	30.2%

Key Facts

- NE ranks high on first fill persistence compared to MPR, helping to improve the percent optimal MPR rates
- NE ranks among the top ten states on commercial health coverage and physicians per capita

Demographics

new	value	new	value
MALE	N/A	MALE	50.4%
WHITE, %	72.4%	WHITE, %	51.4%
ACTIVE INCOME	24	51.4%	21
INCOME > 100% FPL, %	6	60.2%	6
MEAN HOUSEHOLD INCOME	\$50,333	\$53,964	14

Key Facts

- NV ranks high on MPR for most conditions, but does not achieve correspondingly high rankings on percent optimal MPR.
- Mail dispensing rates are excellent, with room for improvement on generic dispensing

Demographics

new	value	new	value
MALE	N/A	MALE	50.4%
WHITE, %	72.4%	WHITE, %	51.4%
ACTIVE INCOME	24	51.4%	21
INCOME > 100% FPL, %	6	60.2%	6
MEAN HOUSEHOLD INCOME	\$50,333	\$53,964	14

Access to Health Care

new	value	new	value
IMMIGRATED	40	62.9%	41
POPULATION, COMMERCIAL, COMMUNITIES	9	52.4%	58.9%
HEALTH CARE COVERAGE, MEDICAID	28	12.8%	44
PERCENTAGE COMMERCIAL, % (2010)	33	11.3%	47
PHYSICIANS PER 10,000 RESIDENTS	4	4.14	48
PER CAPITA INCOME, MEDIAN (2010)	N/A	N/A	N/A



NEVADA

Adherence	Diabetes		Hyperension		Depression		Hypertension		Hyperension		Depression	
	new	value	new	value	new	value	new	value	new	value	new	value
MEDICATION POSSESSION RATIO (MPR) [*]	45	77.0%	35	80.3%	41	73.7%	31	82.7%	9	80.8%	8	82.2%
ADULTS WITH CHRONIC CONDITIONS	24	65.7%	26	65.3%	23	67.1%	16	53.9%	37	64.7%	30	53.1%
ADULTS WITH CHRONIC CONDITIONS, % MPR	24	65.6%	14	66.5%	16	65.2%	19	65.9%	25	65.5%	30	53.9%
PATENTED PERIODICITY RATE (PPR)	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%	65.2%
GENERAL ADHERENCE, % (2010-11)	32	55.7%	25	55.2%	36	45.7%	32	55.5%	34	55.9%	25	45.3%
MAX. DISPENSING RATE (MPR)	37	13.6%	34	15.3%	37	18.0%	35	9.9%	9	25.4%	10	30.2%

Key Facts

- NE ranks high on first fill persistence compared to MPR, helping to improve the percent optimal MPR rates
- NE ranks among the top ten states on commercial health coverage and physicians per capita

Demographics

new	value	new	value
MALE	N/A	MALE	50.4%
WHITE, %	72.4%	WHITE, %	51.4%
ACTIVE INCOME	24	51.4%	21
INCOME > 100% FPL, %	6	60.2%	6
MEAN HOUSEHOLD INCOME	\$50,333	\$53,964	14

Access to Health Care

new	value	new	value
IMMIGRATED	40	62.9%	41
POPULATION, COMMERCIAL, COMMUNITIES	9	52.4%	58.9%
HEALTH CARE COVERAGE, MEDICAID	28	12.8%	44
PERCENTAGE COMMERCIAL, % (2010)	33	11.3%	47
PHYSICIANS PER 10,000 RESIDENTS	4	4.14	48
PER CAPITA INCOME, MEDIAN (2010)	N/A	N/A	N/A



NEW HAMPSHIRE

NEW JERSEY

Adherence	Diabetes	Hypertension	Dyslipidemia	Depression	Overall
	new value	new value	new value	new value	new value
MEDICATION POSSESSION RATIO (MPR)*	5 80.5%	12 82.6%	10 81.9%	22 73.9%	12 80.4%
PATIENTS ON HYPOKINETIC DRUGS	1 72.8%	1 77.5%	2 76.7%	2 65.8%	2 73.1%
PATIENTS ON DEPRESSANT DRUGS	1 72.3%	1 71.2%	4 69.2%	2 70.2%	1 70.7%
COGNITIVE COMBINING DRUGS	1 58.7%	1 69.0%	3 46.4%	8 68.3%	2 68.0%
MAR. CHURN RATE (MRR)	1 38.0%	1 36.3%	1 41.8%	1 25.5%	1 35.9%

*New metric introduced in 2012.

Demographics

	new value	new value	new value	new value
MALE	N/A	49.3%	N/A	49.3%
OVER AGE 65	N/A	17.1%	N/A	17.1%
ACTIVE INSENCE	12 53.3%	12 53.3%	12 53.3%	12 53.3%
LOW-INCOME POPULATION	N/A	N/A	N/A	N/A
MEDIAN HOUSEHOLD INCOME	1 \$66,654	1 \$66,654	1 \$66,654	1 \$66,654

Key Facts

- NH achieves above average adherence rankings with corresponding high generic and mail dispensing rates
- NH ranks high among the top states for median household income, percent uninsured population and commercial health care coverage

Access to Health Care

	new value	new value	new value	new value
UNINSURED	2 82.7%	2 87.3%	2 87.3%	2 82.7%
HEALTH CARE DISPARITIES, DISPARITIES	22 13.5%	22 13.5%	22 13.5%	22 13.5%
HEALTH CARE COVERAGE, DISPARITIES	33 7.9%	33 7.9%	33 7.9%	33 7.9%
PATIENTS PER 10,000 RESIDENTS	40 2.16	40 2.16	40 2.16	40 2.16
DISCHARGES PER 1000 PEOPLE	22 1.2	22 1.2	22 1.2	22 1.2

New Hampshire
STATE RATING
◆ GOLD

Adherence

	new value	new value	new value	new value	new value
ADHERENCE	14 70.4%	22 62.0%	22 61.7%	28 65.1%	5 75.3%
REDUCED POLYPILL RATE (PER 1000)	21 62.0%	21 65.7%	20 65.7%	24 65.5%	16 60.1%
RENT-TO-PURCHASE POLYPILL RATE (PER 1000)	28 64.9%	40 61.8%	48 59.3%	42 62.0%	43 61.6%
DISPENSING (PER 1000 PRESCRIPTIONS)	50 51.6%	50 50.3%	48 50.3%	47 52.1%	50 53.8%
MAR. DISPENSING RATE (MRR)	40 12.0%	42 12.5%	40 16.4%	43 6.3%	41 13.0%

Demographics

	new value	new value	new value	new value
MALE	N/A	48.7%	N/A	48.7%
OVER AGE 65	N/A	12.6%	N/A	12.6%
ACTIVE INSENCE	38 67.5%	38 67.5%	38 67.5%	38 67.5%
DISPARITIES, DISPARITIES	13 6.3%	13 6.3%	13 6.3%	13 6.3%
MEDIAN HOUSEHOLD INCOME	4 \$84,123	4 \$84,123	4 \$84,123	4 \$84,123

Access to Health Care

	new value	new value	new value	new value
UNINSURED	26 69.4%	10 52.2%	10 52.2%	10 52.2%
REDUCED POLYPILL RATE (PER 1000)	36 12.2%	36 12.2%	36 12.2%	36 12.2%
HEALTH CARE COVERAGE, MEDICARE	43 0.4%	43 0.4%	43 0.4%	43 0.4%
PATIENTS PER 10,000 RESIDENTS	30 2.42	30 2.42	30 2.42	30 2.42
DISCHARGES PER 1000 PEOPLE	N/A	N/A	N/A	N/A

Adherence

	new value	new value	new value	new value
ADHERENCE	14 70.4%	22 62.0%	22 61.7%	28 65.1%
REDUCED POLYPILL RATE (PER 1000)	21 62.0%	21 65.7%	20 65.7%	24 65.5%
RENT-TO-PURCHASE POLYPILL RATE (PER 1000)	28 64.9%	40 61.8%	48 59.3%	42 62.0%
DISPENSING (PER 1000 PRESCRIPTIONS)	50 51.6%	50 50.3%	48 50.3%	47 52.1%
MAR. DISPENSING RATE (MRR)	40 12.0%	42 12.5%	40 16.4%	43 6.3%

Demographics

	new value	new value	new value	new value
MALE	N/A	48.7%	N/A	48.7%
OVER AGE 65	N/A	12.6%	N/A	12.6%
ACTIVE INSENCE	38 67.5%	38 67.5%	38 67.5%	38 67.5%
DISPARITIES, DISPARITIES	13 6.3%	13 6.3%	13 6.3%	13 6.3%
MEDIAN HOUSEHOLD INCOME	4 \$84,123	4 \$84,123	4 \$84,123	4 \$84,123

Access to Health Care

	new value	new value	new value	new value
UNINSURED	26 69.4%	10 52.2%	10 52.2%	10 52.2%
REDUCED POLYPILL RATE (PER 1000)	36 12.2%	36 12.2%	36 12.2%	36 12.2%
HEALTH CARE COVERAGE, MEDICARE	43 0.4%	43 0.4%	43 0.4%	43 0.4%
PATIENTS PER 10,000 RESIDENTS	30 2.42	30 2.42	30 2.42	30 2.42
DISCHARGES PER 1000 PEOPLE	N/A	N/A	N/A	N/A

NEW MEXICO

Adherence	Hypertension	Dyslipidemia	Oncology	
Value	Value	Value	Value	
MEDICATION POSSESSION RATE (MPPR)*	48.76.3%	39.80.6%	39.73.4%	43.78.1%
DISPENSED ON TIME (DOTT)	40.91.3%	49.58.9%	49.46.2%	50.55.4%
PART-FILL PERPETUITY RATE (PFRP)	49.59.4%	49.60.0%	39.61.7%	50.55.5%
CHRONIC CONDITIONS (CC) INDEX	12.56.7%	7.89.1%	6.67.2%	5.72.3%
MEAN DISPENSING RATE (MDR)	49.6.3%	47.9.4%	47.12.6%	48.6.5%

Key Facts

- NM ranks low on MPPR, percent optimal MPPR and first fill persistence.
- Generic dispensing rates are very good.
- NM has the lowest percent of population with commercial health coverage and ranks among the bottom five states on the number of physicians per capita.

Access to Health Care

Value	Value
MANAGED CARE	27.69.4%
HEALTH CARE COVERAGE, MEDICAID	53.63.8%
HEALTH CARE COVERAGE, INSURANCE	39.12.0%
PHYSICIANS PER 1,000 INhabitants	45.1.95
PHYSICIANS PER 1,000 INhabitants (ranked)	45.42.2

Access to Health Care

Value	Value
MANAGED	28.82.3%
HEALTH CARE COVERAGE, STATE RATE	37.52.5%
PHYSICIANS PER 1,000 INhabitants	17.3.09
PHYSICIANS PER 1,000 INhabitants (ranked)	17.44.5

New York

STATE RATING	STANDARD
SILVER	19.72.2%

Demographics

Value	Value
MALE	19.48.3%
ACTIVE LIFE SPAN	26.50.7%
ACTIVE LIFE SPAN (ranked)	23.55.4%
MEDIAN HOUSEHOLD INCOME	\$50,372

Key Facts

- NY shows above average MPPR and percent optimal MPPR on all conditions except chronic demin.
- NY's suboptimal generic and mail dispensing rates, if improved, could lead to increased adherence.

NEW YORK

NORTH CAROLINA

Adherence	Discrepancy		Discrepancy		Discrepancy	
	By Discrepancy					
MAIL DISPENSING RATE (%) [*]	35	78.0%	42	80.0%	34	65.2%
MAIL DISPENSING RATE (%) [*]	35	64.2%	26	64.8%	40	61.5%
PHYS. FILE PERSISTENCY RATE (%) [*]	35	50.0%	26	54.5%	27	47.5%
PHYS. FILE PERSISTENCY RATE (%) [*]	27	16.3%	30	17.0%	29	21.7%
MAIL DISPENSING RATE (%) [*]	35	35.9%	36	35.9%	35	35.9%
MAIL DISPENSING RATE (%) [*]	35	35.9%	26	34.5%	28	35.5%
MAIL DISPENSING RATE (%) [*]	27	16.3%	30	17.0%	29	13.0%

Demographics

Demographic	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
MALE	N/A	48.8%	50.5%	47.4%	52.5%	49.3%
ACTIVE HOUSEHOLD	41	48.4%	33	55.3%	26	54.7%
MEDIAN HOUSEHOLD INCOME	41	\$43,229				

Key Facts

- NC ranks consistently mid to low on MPR, percent optimal MPR and first fill persistency.
- Generic and mail dispensing rates are average.
- ND achieves high percent optimal MPR with mixed performance on MPH and first fill persistency, including ranking last in first fill persistency for dispensed therapies.
- ND has the highest number of physicians per capita, and ranks high on commercial health coverage and low on Medicaid coverage.

Access to Health Care

Measure	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
REFILLS PER 1,000 PATIENTS	47	56.4%	35	55.5%	35	55.5%
HEALTH CARE COVERAGE: MEDICARE	24	13.4%	25	14.3%	25	14.3%
REFILLS PER 1,000 PATIENTS	29	2.43	35	2.43	35	2.43

North Carolina
STATE RATING
BRONZE

Demographics

Demographic	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
SEX	N/A	49.6%	N/A	50.3%	35	57.8%
ACTIVE HOUSEHOLD	18	52.2%	26	54.7%	30	57.7%
MEDIAN HOUSEHOLD INCOME	26	\$49,450				

Adherence

Adherence	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
DISPENSATION RATE (%) [*]	21	70.0%	14	82.2%	12	81.7%
DISPENSATION RATE (%) [*]	19	66.1%	7	73.3%	6	71.0%
PATENT PERSISTENCY RATE (%) [*]	19	86.1%	10	87.7%	5	69.0%
PATENT PERSISTENCY RATE (%) [*]	16	53.3%	10	66.1%	13	65.8%
MAIL DISPENSING RATE (%) [*]	31	14.4%	28	17.6%	41	9.1%

NORTH DAKOTA

Adherence	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
DISPENSATION RATE (%) [*]	21	70.0%	14	82.2%	12	81.7%
DISPENSATION RATE (%) [*]	19	66.1%	7	73.3%	6	71.0%
PATENT PERSISTENCY RATE (%) [*]	19	86.1%	10	87.7%	5	69.0%
PATENT PERSISTENCY RATE (%) [*]	16	53.3%	10	66.1%	13	65.8%
MAIL DISPENSING RATE (%) [*]	31	14.4%	28	17.6%	41	9.1%

Demographics

Demographic	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
SEX	N/A	49.6%	N/A	50.3%	35	57.8%
ACTIVE HOUSEHOLD	18	52.2%	26	54.7%	30	57.7%
MEDIAN HOUSEHOLD INCOME	26	\$49,450				

Adherence

Adherence	Value		Value		Value	
	Male	Female	Male	Female	Male	Female
DISPENSATION RATE (%) [*]	21	70.0%	14	82.2%	12	81.7%
DISPENSATION RATE (%) [*]	19	66.1%	7	73.3%	6	71.0%
PATENT PERSISTENCY RATE (%) [*]	19	86.1%	10	87.7%	5	69.0%
PATENT PERSISTENCY RATE (%) [*]	16	53.3%	10	66.1%	13	65.8%
MAIL DISPENSING RATE (%) [*]	31	14.4%	28	17.6%	41	9.1%

OHIO

Adherence

	Ranking	Measure	Value	Value
ADHERENCE PERSISTENCY RATE: ADULTS	23	79.0%	26	81.0%
ADHERENCE PERSISTENCY RATE: CHILDREN, TEENS, YOUTH	28	85.6%	26	80.5%
PERSISTENT PERSISTENCY RATE: ADULTS	29	64.9%	27	64.8%
PERSISTENT PERSISTENCY RATE: CHILDREN, TEENS, YOUTH	4	27.3%	5	26.9%

Key Facts

- OH generally ranks average on adherence related metrics for all conditions
- OH is among the top states for most dispensing

Ohio

STATE RATING

SILVER

NAME	STATE RATING	STATE RATING
INNATE	INNATE	INNATE
UNIVERSITY OF OHIO, SPRINGFIELD, SPRINGFIELD	11	75.4%
HEALTH CARE COVERAGE, MEDICAID	12	14.9%
PREGNANCY-RELATED OBSTETRIC SERVICES	20	2.9%
PREGNANCIES PER 10,000 RESIDENTS	20	2.9%
PREGNANCY-RELATED OBSTETRIC SERVICES	20	2.9%

Access to Health Care

NAME	STATE RATING	STATE RATING
OKLAHOMA	OKLAHOMA	OKLAHOMA
STATE RATING	STATE RATING	STATE RATING
BRONZE	BRONZE	BRONZE
PREGNANCIES PER 10,000 RESIDENTS	18	3.07
PREGNANCY-RELATED OBSTETRIC SERVICES	22	71.3%

Demographics

NAME	STATE RATING	STATE RATING
OKLAHOMA	OKLAHOMA	OKLAHOMA
STATE RATING	STATE RATING	STATE RATING
BRONZE	BRONZE	BRONZE
PREGNANCIES PER 10,000 RESIDENTS	18	3.07
PREGNANCY-RELATED OBSTETRIC SERVICES	22	71.3%

OKLAHOMA

	Ranking	Measure	Value	Value
ADHERENCE PERSISTENCY RATE: ADULTS	23	79.0%	26	81.0%
ADHERENCE PERSISTENCY RATE: CHILDREN, TEENS, YOUTH	28	85.6%	26	80.5%
PERSISTENT PERSISTENCY RATE: ADULTS	29	64.9%	27	64.8%
PERSISTENT PERSISTENCY RATE: CHILDREN, TEENS, YOUTH	4	27.3%	5	26.9%

Demographics

NAME	STATE RATING	STATE RATING
OKLAHOMA	OKLAHOMA	OKLAHOMA
STATE RATING	STATE RATING	STATE RATING
BRONZE	BRONZE	BRONZE
PREGNANCIES PER 10,000 RESIDENTS	18	3.07
PREGNANCY-RELATED OBSTETRIC SERVICES	22	71.3%

CAREMARK

OREGON

Adherence	Diabetes		Hypertension		Depression		Overall	
	Value	Value	Value	Value	Value	Value	Value	Value
ADHERENCE TO PRESCRIPTION DRUGS ^a	47	76.7%	48	79.6%	23	73.9%	47	77.0%
PHARMACY DISPENSED DRUGS ^a	18	82.8%	29	67.0%	20	57.5%	28	64.4%
PERSISTENCY RANKING ^b	20	66.5%	18	65.9%	9	66.2%	17	66.1%
PERSISTENCY RANKING MEDIAN ^b	10	58.8%	8	68.1%	3	50.1%	4	72.6%
MAIL DISPENSING RATE ^a	41	11.0%	41	13.2%	42	16.1%	42	9.0%

Key Facts

- OR has a mix of high and low performance on adherence metrics, with generally good first fill persistency, but below average MPR.
- OR shows above average generic dispensing rates and below average mail dispensing rates

Demographics

Value	Value	Value	Value
STATE	N/A	49.8%	N/A
POPULATION ^c	N/A	3.3%	N/A
AVERAGE HOUSEHOLD EXPENSE ^c	8	56.5%	9
MEDIAN HOUSEHOLD INCOME ^c	20	\$50,886	N/A

Key Facts

- PA shows average adherence as measured by MPR, with above average optimal MPR and first fill persistency rankings.
- Improved generic dispensing could have a positive impact on adherence

Demographics

Value	Value	Value	Value
STATE	27	78.8%	25
POPULATION ^c	7	66.6%	9
PERSISTENCY RANKING ^b	15	67.2%	16
PERSISTENCY RANKING MEDIAN ^b	30	56.1%	31
MAIL DISPENSING RATE ^a	12	22.7%	12

Access to Health Care

Value	Value	Value	Value
STATE	21	71.8%	21
POPULATION ^c	15	59.8%	15
HEALTH CARE COVERAGE MEDICARE ^c	10	14.8%	10
PHYSICIANS PER 10,000 RESIDENTS ^c	22	14.5%	22
PHYSICIANS PER 10,000 RESIDENTS ^c	16	3.11	16

Access to Health Care

Value	Value	Value	Value
STATE	31	80.3%	8
POPULATION ^c	6	71.1%	7
PERSISTENCY RANKING ^b	17	65.0%	11
PERSISTENCY RANKING MEDIAN ^b	30	65.8%	22
MAIL DISPENSING RATE ^a	11	28.8%	13

Demographics

Value	Value	Value	Value
STATE	7	66.6%	7
POPULATION ^c	15	52.3%	15
ACTIVE EXPENSE ^c	28	50.4%	35
DISPENSES PER 1000 RESIDENTS ^c	35	65.8%	35
MEDIAN HOUSEHOLD INCOME ^c	25	\$49,829	N/A

Demographics

Value	Value	Value	Value
STATE	27	78.8%	25
POPULATION ^c	7	66.6%	9
PERSISTENCY RANKING ^b	15	67.2%	16
PERSISTENCY RANKING MEDIAN ^b	30	56.1%	31
MAIL DISPENSING RATE ^a	12	22.7%	12

PENNSYLVANIA

Adherence	Diabetes	Hypertension	Depression	Overall
Value	Value	Value	Value	Value
ADHERENCE TO PRESCRIPTION DRUGS ^a	47	76.7%	48	79.6%
PHARMACY DISPENSED DRUGS ^a	18	82.8%	29	67.0%
PERSISTENCY RANKING ^b	20	66.5%	18	65.9%
PERSISTENCY RANKING MEDIAN ^b	10	58.8%	8	68.1%
MAIL DISPENSING RATE ^a	41	11.0%	41	13.2%

Demographics

Value	Value	Value	Value
STATE	27	78.8%	25
POPULATION ^c	7	66.6%	9
PERSISTENCY RANKING ^b	15	67.2%	16
PERSISTENCY RANKING MEDIAN ^b	30	56.1%	31
MAIL DISPENSING RATE ^a	12	22.7%	12

Demographics

Value	Value	Value	Value
STATE	31	80.3%	8
POPULATION ^c	6	71.1%	7
PERSISTENCY RANKING ^b	17	65.0%	11
PERSISTENCY RANKING MEDIAN ^b	30	65.8%	22
MAIL DISPENSING RATE ^a	11	28.8%	13

Demographics

Value	Value	Value	Value
STATE	7	66.6%	7
POPULATION ^c	15	52.3%	15
PERSISTENCY RANKING ^b	28	50.4%	35
PERSISTENCY RANKING MEDIAN ^b	35	65.8%	35
MAIL DISPENSING RATE ^a	25	\$49,829	N/A

RHODE ISLAND

Adherence		Demographics	
Male	N/A	Male	N/A
Female	N/A	Female	N/A
Medication possession ratio (MPR) ^a	48.3%	Medication possession ratio (MPR) ^a	48.3%
Prescription renewals issued	1.01	Prescription renewals issued	1.01
Mean dispensing rate (MPR)	48	Mean dispensing rate (MPR)	49

Key Facts

- RI performs above average on most adherence related metrics, but achieves average first fill persistence rates for diabetes and depression
- RI ranks well in generic dispensing rates, but ranks low in mail dispensing

Demographics

Male	Value	Female	Value
Male	48.5%	Female	48.4%
Median household income	\$53,564	Median household income	\$53,564
Active households	20	Active households	20
Population (in millions)	1.01	Population (in millions)	1.01

Key Facts

- SC has a relatively low percentage of patients with optimal MPR
- Generic dispensing rates are average and mail dispensing rates are low
- SC ranks low on physical activity and high on percentage overweight/obesity

Demographics

Male	Value	Female	Value
Male	48.4%	Female	48.4%
Median household income	\$42,945	Median household income	\$42,945
Active households	42	Active households	42
Population (in millions)	4.5	Population (in millions)	4.5

Adherence

Male	Value	Female	Value
Male	48.4%	Female	48.4%
Median possession ratio (MPR) ^a	49	Median possession ratio (MPR) ^a	49
Prescription renewals issued	1.01	Prescription renewals issued	1.01
Mean dispensing rate (MPR)	49	Mean dispensing rate (MPR)	49

Access to Health Care

RI	Value	SC	Value
REFUNDED	30	REFUNDED	68.0%
REFUSED/DO NOT COMPLY/DEFERRED	34	REFUSED/DO NOT COMPLY/DEFERRED	53.5%
HEALTH CARE COVERAGE, MEDICARE	5	HEALTH CARE COVERAGE, MEDICARE	15.0%
HEALTH CARE COVERAGE, MEDICAID	30	HEALTH CARE COVERAGE, MEDICAID	13.2%
PHYSICIANS PER 10,000 RESIDENTS	22	PHYSICIANS PER 10,000 RESIDENTS	27.4
PHYSICIANS PER 100,000 PEOPLE	N/A	PHYSICIANS PER 100,000 PEOPLE	*** ** *

Access to Health Care

RI	Value	SC	Value
REFUNDED	30	REFUNDED	68.0%
REFUSED/DO NOT COMPLY/DEFERRED	34	REFUSED/DO NOT COMPLY/DEFERRED	53.5%
HEALTH CARE COVERAGE, MEDICARE	5	HEALTH CARE COVERAGE, MEDICARE	15.0%
HEALTH CARE COVERAGE, MEDICAID	30	HEALTH CARE COVERAGE, MEDICAID	13.2%
PHYSICIANS PER 10,000 RESIDENTS	22	PHYSICIANS PER 10,000 RESIDENTS	27.4
PHYSICIANS PER 100,000 PEOPLE	N/A	PHYSICIANS PER 100,000 PEOPLE	*** ** *

Rhode Island
STATE RATING
 **GOLD**

South Carolina
STATE RATING
 **BRONZE**

Access to Health Care

RI	Value	SC	Value
REFUNDED	30	REFUNDED	68.0%
REFUSED/DO NOT COMPLY/DEFERRED	34	REFUSED/DO NOT COMPLY/DEFERRED	53.5%
HEALTH CARE COVERAGE, MEDICARE	5	HEALTH CARE COVERAGE, MEDICARE	15.0%
HEALTH CARE COVERAGE, MEDICAID	30	HEALTH CARE COVERAGE, MEDICAID	13.2%
PHYSICIANS PER 10,000 RESIDENTS	22	PHYSICIANS PER 10,000 RESIDENTS	27.4
PHYSICIANS PER 100,000 PEOPLE	N/A	PHYSICIANS PER 100,000 PEOPLE	*** ** *

Access to Health Care

RI	Value	SC	Value
REFUNDED	30	REFUNDED	68.0%
REFUSED/DO NOT COMPLY/DEFERRED	34	REFUSED/DO NOT COMPLY/DEFERRED	53.5%
HEALTH CARE COVERAGE, MEDICARE	5	HEALTH CARE COVERAGE, MEDICARE	15.0%
HEALTH CARE COVERAGE, MEDICAID	30	HEALTH CARE COVERAGE, MEDICAID	13.2%
PHYSICIANS PER 10,000 RESIDENTS	22	PHYSICIANS PER 10,000 RESIDENTS	27.4
PHYSICIANS PER 100,000 PEOPLE	N/A	PHYSICIANS PER 100,000 PEOPLE	*** ** *

SOUTH DAKOTA

TENNESSEE

Adherence	Diabetes		Hypertension		Depression		Overweight	
	new	value	new	value	new	value	new	value
HEDGING POSSESSION RATE (MEN)*	24	78.9%	21	81.7%	22	80.7%	40	73.3%
NEWEST ODEMALES RATES	73	84.1%	75	85.9%	74	86.9%	11	59.1%
STATE PERSISTENCY RATE (FEMA)	3	71.1%	12	88.7%	14	85.8%	3	70.2%
COPD HEDGING POSSESSION RATE (FEMA)	47	53.2%	35	62.7%	46	52.7%	10	68.0%
STATE ADHERENCE RATE (MEN)	25	77.8%	21	81.5%	22	84.5%	18	14.0%

Key Facts

- SD shows above average rates on adherence related metrics for all conditions, with an exception for depression therapy (MPR).
- SD generic dispensing for diabetes medications does not track with the GDR for other conditions in the state.
- SD ranks among the top states for number of physicians per capita and immunization rates.

Access to Health Care	MANAGED		UNMANAGED	
	new	value	new	value
STATE'S STATE PERSISTENCY, CHARTERS	4	78.4%	25	58.3%
STATE CARE COVERAGE, MEDICARE	11	14.4%	55	12.2%
PRACTITIONERS PER 10,000 RESIDENTS	2	5.10	NOT	4.47
STATE CARE COVERAGE, SENIORS, CHARTERS	11	3.33	NOT	3.33

Demographics

Demographics	MALE		FEMALE	
	new	value	new	value
ACTIVE RESIDENCES	45	45.0%	33	35.7%
COPD HEDGING POSSESSION RATE (FEMA)	28	\$8,416	28	\$8,416

Key Facts

- TN ranks below average on all adherence metrics.
- Mail dispensing rates are very low and could be contributing to suboptimal adherence.
- TN ranks low on physical activity and high on overweight/obesity rates.

Demographics

Demographics	MAIL		MAIL	
	new	value	new	value
STATE CARE COVERAGE	N/A	49.6%	N/A	49.6%
ACTIVE RESIDENCES	49	35.9%	49	35.9%
COPD HEDGING POSSESSION RATE (FEMA)	47	\$7,885	47	\$7,885
MEAN HOUSEHOLD INCOME	47	\$40,895	47	\$40,895

Access to Health Care

Access to Health Care	MANAGED		UNMANAGED	
	new	value	new	value
STATE CARE COVERAGE, CHARTERS	8	76.9%	13	51.6%
HEALTH CARE COVERAGE, MEDICARE	13	14.0%	9	16.3%
PHYSICIANS PER 10,000 RESIDENTS	11	3.33	11	3.33
STATE CARE COVERAGE, SENIORS, CHARTERS	NOT	NOT	NOT	NOT

Adherence

Adherence	NURSE		PHARMACIST	
	new	value	new	value
NEWEST DISPENSING RATE (NURSE)	48	76.9%	49	78.6%
NEWEST DISPENSING RATE (PHARMACIST)	47	55.1%	45	61.6%
FIRST-PILL DISPENSING RATE (PHARMACIST)	44	62.0%	42	60.7%
STATE CARE COVERAGE, CHARTERS	9	58.0%	20	51.7%
MEAN DISPENSING RATE (NURSE)	48	9.6%	46	12.9%

Demographics

Demographics	MAIL		MAIL	
	new	value	new	value
STATE CARE COVERAGE	N/A	48.3%	N/A	48.3%
ACTIVE RESIDENCES	49	35.9%	49	35.9%
COPD HEDGING POSSESSION RATE (FEMA)	47	\$7,885	47	\$7,885
MEAN HOUSEHOLD INCOME	47	\$40,895	47	\$40,895

TEXAS

Adherence	Diabetes		Hypertension		Obesity		Depression	
	Value	Value	Value	Value	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPR)	29	78.7%	32	80.9%	32	73.7%	6	79.9%
ADHERENCE (OPTIMAL MPR)	43	53%	41	64%	37	52%	39	65%
FIRST FILL PERSISTENCY RATE (FPR)	47	61.5%	45	61.3%	48	60.9%	48	61.0%
DISPENSED ADHERENCE RATE (DAR)	35	55%	45	50.6%	48	55.1%	45	55.1%
MALE DIABETES RATE (MDR)	9	24.0%	7	26.6%	6	19.9%	6	27.1%

Key Facts

- TX generally ranks below average on all adherence measures. MPR, percent optimal MPR, and first fill persistency.
- The state's low generic dispensing rates are counteracting its excellent mail dispensing rates in terms of moving adherence in a positive direction.

Access to Health Care

Healthcare	Value		Value	
	Value	Value	Value	Value
HOSPITALS	16	74.4%	17	83.3%
PHYSICIANS PER 1000 PEOPLE	46	97%	46	97%
HEALTH CARE EXPENDITURE, MEDICARE	15	15.5%	28	2.50
PERCENTAGE OF HOUSEHOLDS WITH MEDICARE	28	100%	28	100%

Texas
STATE RATING
BRONZE



UTAH

Adherence	Diabetes		Hypertension		Obesity		Depression	
	Value	Value	Value	Value	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPR)	12	79.3%	6	83.0%	7	82.2%	17	72.6%
ADHERENCE (OPTIMAL MPR)	39	63.4%	39	63.4%	39	63.7%	39	63.1%
FIRST FIL PERSISTENCY RATE (FPR)	43	62.8%	43	61.3%	23	63.7%	14	66.5%
DISPENSED ADHERENCE RATE (DAR)	33	53.0%	25	45.0%	6	55.5%	17	68.4%
MALE DIABETES RATE (MDR)	15	20.6%	17	21.0%	17	25.7%	22	13.0%

Demographics

Demographic	Value		Value		Value		Value	
	Value	Value	Value	Value	Value	Value	Value	Value
MALE	50.3%	50.3%	NA	NA	NA	NA	NA	NA
WHITE	85.3%	85.3%	ASIAN	3.8%	3.8%	BLACK	4.8%	4.8%
ACTIVE (EXERCISE)	4	57.6%	INACTIVE (NO EXERCISE)	3	67.7%	OVERWEIGHT/BEST	11	\$58,722
MEDIAN HOUSEHOLD INCOME								

Key Facts

- UT has a mix of high and low performance on adherence metrics.
- UT ranks among the top states on immunization rates, physical activity and lower overweight/best rates.
- UT has the highest percent of population with commercial health coverage and ranks among the lowest on government health coverage.

Access to Health Care

Healthcare	Value		Value	
	Value	Value	Value	Value
HOSPITALS	9	76.3%	1	63.5%
PHYSICIANS PER 1000 PEOPLE	49	8.4%	49	8.2%
HEALTH CARE EXPENDITURE, MEDICARE	49	8.2%	48	1.7%
PRACTITIONERS PER 1000 RESIDENTS	48	4.8%	48	4.8%

Utah
STATE RATING
SILVER

VERMONT

Adherence	Diabetes	Hypertension	Dyslipidemia	Osteoporosis
	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPR) [*]	2.81.6%	2.84.9%	4.82.7%	2.82.2%
PRESCRIBER PERSISTENCY RATE (PPR)	3.69.8%	2.77.1%	1.76.9%	1.74.5%
PAYER FPL PERSISTENCY RATE (PPR)	37.64.0%	3.69.7%	1.70.4%	7.67.6%
GENERIC DISPENSING RATE (%)	23.57.1%	3.91.4%	4.88.1%	3.73.7%
MAIL DISPENSING RATE (%)	50.5.6%	50.7.0%	50.4.9%	50.7.0%

Key Facts

- VT consistently ranks high in adherence across all conditions
- Improvement in generic and mail dispensing rates for diabetes medications could positively impact first fill persistence rates

Demographics

Male	Female	Average Age	Active Life Expectancy	Median Household Income
Value	Value	Value	Value	Value
50.5	49.1%	33.9%	26.5	\$30,619
3.56%	3.58%	3.58.0%	3.58.5%	21.55.619
21				

Key Facts

- VA achieved average to better average adherence rankings across all conditions
- The state's good mail dispensing rate could be leveraged to improve adherence

Demographics

Male	Female	Age	Active Life Expectancy	Median Household Income
Value	Value	Value	Value	Value
52.0	52.0%	37.0	27.0	\$31,151
23	23.3%	23.0	10.0	10.0
6				

*Data as of December 2011

Access to Health Care

Value	Value	Value
24	70.3%	24
STATE CARE CONCERN, MEDICARE	1.1	STATE CARE CONCERN, MEDICARE
HEALTH CARE CONCERN, MEDICARE	38	12.0%
PRACTICONS PER 10,000 RESIDENTS	46	9.8%
PERCENT OF HOUSEHOLDS WITH	37	2.2%
INCOME BELOW POVERTY LINE		

Vermont

STATE RATING
● GOLD

Value	Value	Value
17	73.7%	17
STATE CARE CONCERN, MEDICARE	3.1	STATE CARE CONCERN, MEDICARE
HEALTH CARE CONCERN, MEDICARE	25	13.4%
PRACTICONS PER 10,000 RESIDENTS	4	10.5%
PERCENT OF HOUSEHOLDS WITH	42	2.08
INCOME BELOW POVERTY LINE		

Access to Health Care

Value	Value	Value
32	79.9%	32
STATE CARE CONCERN, MEDICARE	2.4	STATE CARE CONCERN, MEDICARE
HEALTH CARE CONCERN, MEDICARE	37	63.4%
PRACTICONS PER 10,000 RESIDENTS	40	13.6%
PERCENT OF HOUSEHOLDS WITH	14	15.4%
INCOME BELOW POVERTY LINE		

*Data as of December 2011

VIRGINIA

Adherence	Diabetes	Hypertension	Dyslipidemia	Osteoporosis
	Value	Value	Value	Value
MEDICATION POSSESSION RATE (MPR)*	2.81.6%	2.84.9%	4.82.7%	2.82.2%
PRESCRIBER PERSISTENCY RATE (PPR)	3.69.8%	2.77.1%	1.76.9%	1.74.5%
PAYER FPL PERSISTENCY RATE (PPR)	37.64.0%	3.69.7%	1.70.4%	7.67.6%
GENERIC DISPENSING RATE (%)	23.57.1%	3.91.4%	4.88.1%	3.73.7%
MAIL DISPENSING RATE (%)	50.5.6%	50.7.0%	50.4.9%	50.7.0%

Key Facts

- VA achieved average to better average adherence rankings across all conditions
- The state's good mail dispensing rate could be leveraged to improve adherence

Demographics

Value	Value	Value
52.0	52.0%	24
STATE CARE CONCERN, MEDICARE	1.1	STATE CARE CONCERN, MEDICARE
HEALTH CARE CONCERN, MEDICARE	38	12.0%
PRACTICONS PER 10,000 RESIDENTS	46	9.8%
PERCENT OF HOUSEHOLDS WITH	37	2.2%
INCOME BELOW POVERTY LINE		

*Data as of December 2011

WASHINGTON

WEST VIRGINIA

Adherence	Diabetes		Hypertension		Depression		Over all	
	Value	Value	Value	Value	Value	Value	Value	Value
MEDICATION POSSESSION RATIO (MPR) %*	32	78.5%	17	81.9%	25	80.6%	7	83.0%
ADHERENCE TO PRESCRIPTIONS (%)	38	63.4%	21	65.4%	17	65.8%	11	71.0%
PATIENTS PER PHYSICIAN (PER 1,000)	11	67.8%	25	65.0%	25	65.1%	13	65.6%
PHYSICIANS PER 1,000 POPULATION	13	59.2%	5	59.5%	5	59.7%	2	72.2%
MEAN ADHERENCE RATE (MPR)	35	13.7%	31	16.4%	30	20.3%	31	16.2%

Demographics

*Data from 2009. MPR = Medication Possession Ratio.

Key Facts

- WA achieves average to above average adherence and first fill persistence across the conditions
- With average mail dispensing rates and good generic dispensing rates, WA has an opportunity to improve on adherence metrics
- WV ranks among the top states for number of physicians per capita

Access to Health Care

Admission	Washington		West Virginia	
	Value	Value	Value	Value
HOSPITAL BEDS (PER 1,000 POPULATION)	12	75.4%	13	65.1%
HOSPITAL STAFF DOCTORS (PER 1,000 POPULATION)	41	11.3%	42	4.6%
HOSPITAL STAFF NURSES (PER 1,000 POPULATION)	23	14.2	23	14.2
PHYSICIANS PER 1,000 RESIDENTS	49	1.70	N/A	N/A
PHYSICIANS PER 1,000 PEOPLE	N/A	N/A	N/A	N/A

Access to Health Care

Admission	Washington		West Virginia	
	Value	Value	Value	Value
HOSPITAL BEDS (PER 1,000 POPULATION)	12	75.4%	13	65.1%
HOSPITAL STAFF DOCTORS (PER 1,000 POPULATION)	41	11.3%	42	4.6%
HOSPITAL STAFF NURSES (PER 1,000 POPULATION)	23	14.2	23	14.2
PHYSICIANS PER 1,000 RESIDENTS	49	1.70	N/A	N/A
PHYSICIANS PER 1,000 PEOPLE	N/A	N/A	N/A	N/A

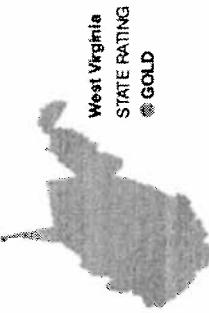
Demographics

Admission	Washington		West Virginia	
	Value	Value	Value	Value
MALE	N/A	49.0%	N/A	48.0%
ACTIVE EMPLOYMENT	675	67.3%	670	67.1%
AVERAGE HOUSEHOLD INCOME	50	35.1%	48	67.9%
MEDIAN HOUSEHOLD INCOME	48	40.627	N/A	N/A

Access to Health Care

Admission	Washington		West Virginia	
	Value	Value	Value	Value
HOSPITAL BEDS (PER 1,000 POPULATION)	12	75.4%	13	65.1%
HOSPITAL STAFF DOCTORS (PER 1,000 POPULATION)	41	11.3%	42	4.6%
HOSPITAL STAFF NURSES (PER 1,000 POPULATION)	23	14.2	23	14.2
PHYSICIANS PER 1,000 RESIDENTS	49	1.70	N/A	N/A
PHYSICIANS PER 1,000 PEOPLE	N/A	N/A	N/A	N/A

Demographics



WISCONSIN

Adherence	Diabetes		Depression		Overall	
	Value	Value	Value	Value	Value	Value
ADHERENCE TO PRESCRIPTION ADHERENCE	16	79.2%	24	81.0%	26	79.7%
ADHERENCE TO PRESCRIPTION ADHERENCE (PERSPECTIVE: PATIENT)	6	85.0%	4	75.0%	5	73.1%
PERSPECTIVE: PATIENT PERSISTENCY RATE (P&P)	2	71.7%	4	69.7%	2	70.3%
PHARMACEUTICAL DISPENSING RATE (P&P)	19	55.0%	6	56.3%	4	51.6%
MED. DISPENSING RATE (M&P)	13	22.2%	13	23.4%	13	22.7%
MED. DISPENSING RATE (M&P) (PERSPECTIVE: PATIENT)	13	22.2%	13	27.2%	15	14.3%

Key Facts

- WI achieves consistently high rankings on percent of patients with optimal MPR and first fill persistence rates
- Generic and mail dispensing contribute to good medication adherence

Adherence	Depression		Dyslipidemia		Hypertension	
	Value	Value	Value	Value	Value	Value
ADHERENCE TO PRESCRIPTION ADHERENCE	24	81.5%	19	81.0%	26	73.8%
ADHERENCE TO PRESCRIPTION ADHERENCE (PERSPECTIVE: PATIENT)	6	85.0%	5	73.1%	3	61.9%
PERSPECTIVE: PATIENT PERSISTENCY RATE (P&P)	2	71.7%	4	69.7%	2	70.3%
PHARMACEUTICAL DISPENSING RATE (P&P)	19	55.0%	6	56.3%	4	51.6%
MED. DISPENSING RATE (M&P)	13	22.2%	13	23.4%	13	22.7%
MED. DISPENSING RATE (M&P) (PERSPECTIVE: PATIENT)	13	22.2%	13	27.2%	15	14.3%

Demographics

Demographic	Value	
	Male	Female
OVERALL	50.3%	49.6%
ACTIVE SURVIVORS	18	52.8%
DISABILITY ASSISTANCE	21	60.4%
MEDIAN HOUSEHOLD INCOME	19	\$51,763

Demographics

Demographic	Value	
	Male	Female
OVERALL	50.1%	49.8%
ACTIVE SURVIVORS	14	67.6%
DISABILITY ASSISTANCE	45	53.6%
MEDIAN HOUSEHOLD INCOME	17	\$19,756

Access to Health Care

Metric	Value	
	Male	Female
ADMITTED	42	61.9%
HOSPITAL CARE CONSIDERED NECESSARY	12	61.4%
HEALTH CARE CONSIDERED NECESSARY	17	13.9%
HEALTH CARE CONSIDERED NECESSARY (PERSPECTIVE: PATIENT)	13	16.5%
PHYSICIANS PER 1,000 RESIDENTS	31	2.41
PHYSICIANS PER 1,000 RESIDENTS (PERSPECTIVE: PATIENT)	30	2.88

Access to Health Care

Metric	Value	
	Male	Female
ADMITTED	37	65.1%
HOSPITAL CARE CONSIDERED NECESSARY	17	55.5%
HEALTH CARE CONSIDERED NECESSARY	33	12.4%
HEALTH CARE CONSIDERED NECESSARY (PERSPECTIVE: PATIENT)	41	10.3%
PHYSICIANS PER 1,000 RESIDENTS	7	3.68
PHYSICIANS PER 1,000 RESIDENTS (PERSPECTIVE: PATIENT)	N/A	N/A

Access to Health Care

Metric	Value	
	Male	Female
ADMITTED	37	65.1%
HOSPITAL CARE CONSIDERED NECESSARY	17	55.5%
HEALTH CARE CONSIDERED NECESSARY	33	12.4%
HEALTH CARE CONSIDERED NECESSARY (PERSPECTIVE: PATIENT)	41	10.3%
PHYSICIANS PER 1,000 RESIDENTS	7	3.68
PHYSICIANS PER 1,000 RESIDENTS (PERSPECTIVE: PATIENT)	N/A	N/A



GLOSSARY OF TERMS

ARTICULATORY POSSESSION RATIO (APR)	Description Ratio of the total days the member had drug available to the number of possible days the participant could have drug on hand.	Additional Detail Age: gender adjusted at the state level, controlled for ethnicity at the member level.	Source CVS Caremark PBM Book of Business 2010
GENERIC DISPENSING RATE (GDR)	Description The percent of all payable prescriptions that were dispensed as generic drugs.	Additional Detail Total prescriptions dispensed as generic drugs.	Source CVS Caremark PBM Book of Business 2010
MEDIAN HOUSEHOLD INCOME	Description 2007 to 2009 average median income.	Additional Detail The sum of 3 inflation-adjusted single year medians divided by 3.	Source U.S. Census Bureau, Current Population Survey, 2007 to 2009 Annual Social and Economic Supplements, Three-Year-Average Median Household Income by State: 2007-2009 and Two-Year-Average Median Household Income by State: 2008 to 2009, available at: http://www.census.gov/hhes/www/income/data/statesmedian/index.html .
ACTIVE (EXERCISE)	Description (CDC's) Behavioral Risk Factor Surveillance System (BRFSS) determined the participation in physical activity.	Additional Detail Survey question: During the past month, did you participate in 30+ minutes of moderate physical activity five or more days per week, or vigorous physical activity for 20+ minutes three or more days per week?	Source Behavioral Risk Factor Surveillance System, 2008; analysis by the National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, available at: All">http://www.cdc.gov/BRFSS/list.asp?Cat=P&Sub=2008&Key=4416&State>All
MAIL DISPENSING RATE (MDR)	Description The percent of payable prescriptions dispensed at mail.	Additional Detail Total Mail prescriptions/total prescriptions.	Source CVS Caremark PBM Book of Business 2010
PERCENT OPTIMAL (SOPR)	Description The percent of members with an MPR of 80 or higher.	Additional Detail 30% MPR as optimally adherent is an industry-standard assumption.	Source CVS Caremark PBM Book of Business 2010
PERCENT OVERWEIGHT AND OBESITY	Description The percent of male members from all the claims during the study period.	Additional Detail Total claims with male designation/total prescriptions.	Source CVS Caremark PBM Book of Business 2010
PERCENT PERSISTENCY RATE (PPR)	Description The percent of members who are persistent in refilling their prescriptions after the first fill.	Additional Detail All members that filled an Rx in the class in question, that did not have an Rx in the prior period, are evaluated to see if they filled an Rx after that date sometime in the post period. (Seven month evaluation period, six month prior period, two month enrollment period for retail.)	Source CVS Caremark PBM Book of Business 2010
PERCENT OVER AGE 65	Description The percent of members over the age of 65 from all the claims during the study period.		

METHODOLOGY OVERVIEW

SOURCE: PHARMACY HOME RATING (1)

Source
Urban Institute and Kaiser Commission on
Medicaid and the Uninsured estimates based on
the Census Bureau's March 2009 and 2010 Current
Population Survey (CPS; Annual Social and
Economic Supplements).

DESCRIPTION

Score indicating the level at which members use
one pharmacy for all their prescriptions, and the
rate at which they coordinate their refill dates for
multiple prescriptions.

ADDITIONAL DETAIL

Percent of members using one pharmacy multiplied by
the fill schedule synchronization ratio for each condition,
then averaged the rates to get a score rate. Score is on
a scale 1-5 determined by a tier system.

SOURCE

CVS Caremark PBM Book of Business 2010

GRADING ALGORITHM

- Four metrics were selected based on known importance to adherence and ranked for the four conditions, resulting in 16 ranked metrics in total.
- Metrics were weighted, using regression parameter estimates as a guide:

Type of Metric	Metric	Description	Weight
Adherence	MFR	Measure of medication adherence	45%
Refill Dates	PPPR	% of new initiators getting a second fill	30%
Refill Chained	CPR	% of doctors that switch doctors, medications	15%
	MDR	% of scripts filled at mail	10%

- Conditions were weighted equally (25% each)

Resulting state-level scores were ranked and assigned a color grade:

Grade	Rank (1-50)
Gold	1-17
Silver	18-36
Bronze	37-50

PHARMACY HOME RATING

- For each of the five conditions, calculated % of patients using
one pharmacy for their condition related medications.
- For each of the five conditions, calculated the % synchronization
of the medication refill schedules.
- Multiplied results of steps 1 and 2 at the condition level to
get a Condition Pharmacy Home Score.
- Averaged the Condition Pharmacy Home Scores (equal weighting)
to get an Overall Pharmacy Home Score.
- Pharmacy Home Rating was scaled 1-5.

OVERALL METRICS BY STATE

- Weighted average of the four conditions evaluated (diabetes,
hypertension, dyslipidemia, depression).



One CVS Drive
Woonsocket, RI 02895
401-765-1500
www.cvsicaremarkri.com

